

FIG. 2

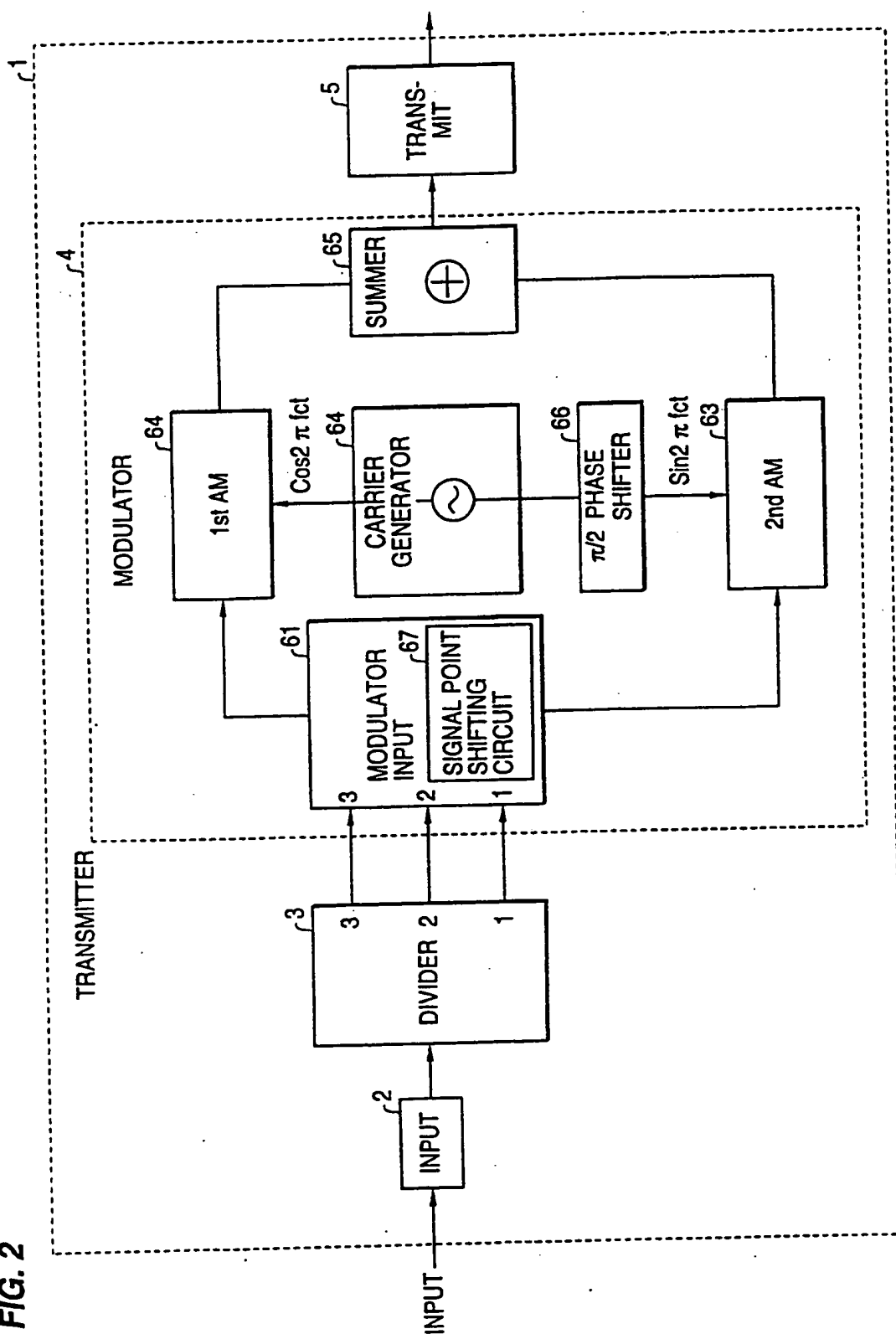


FIG. 3

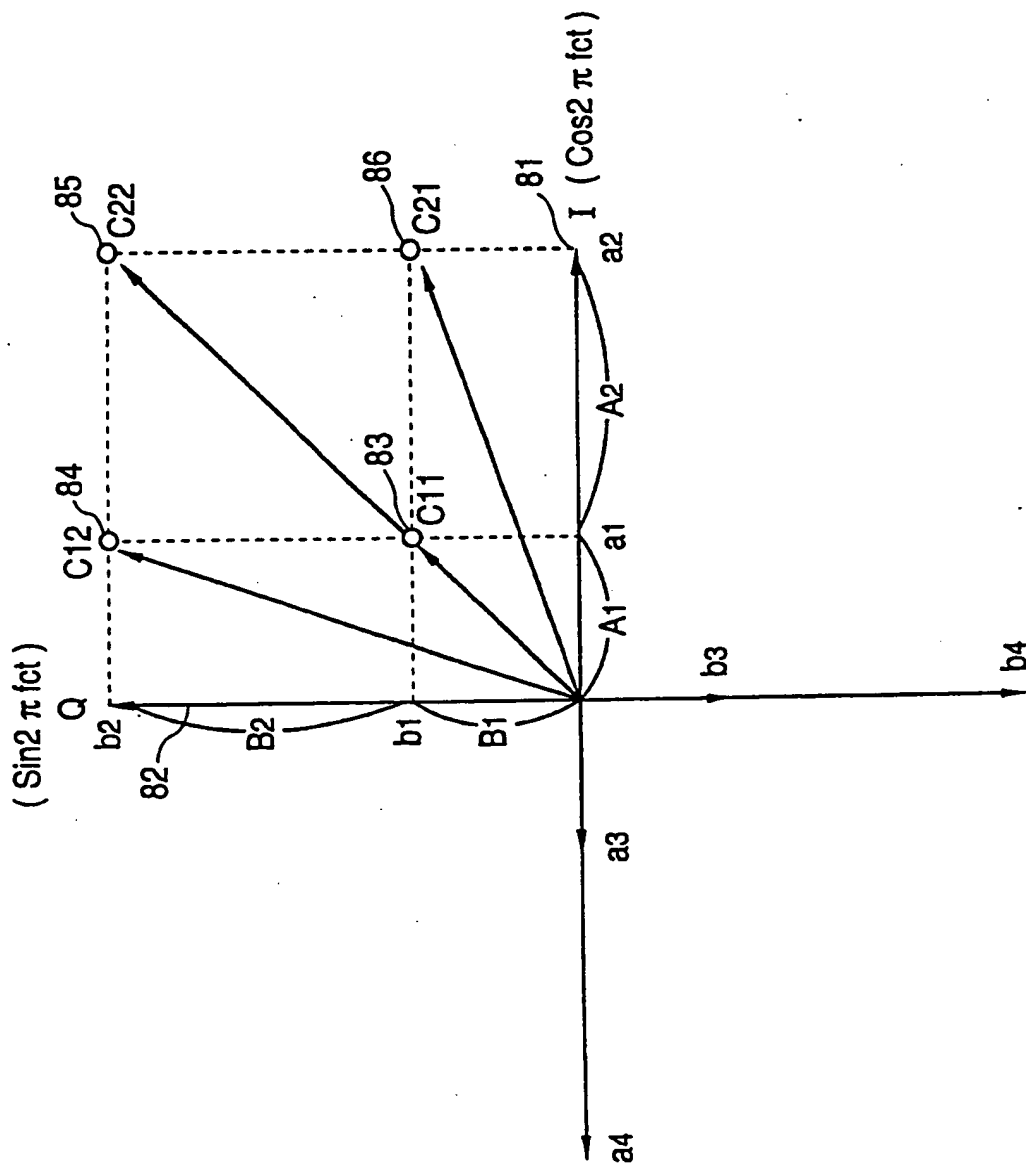


FIG. 4

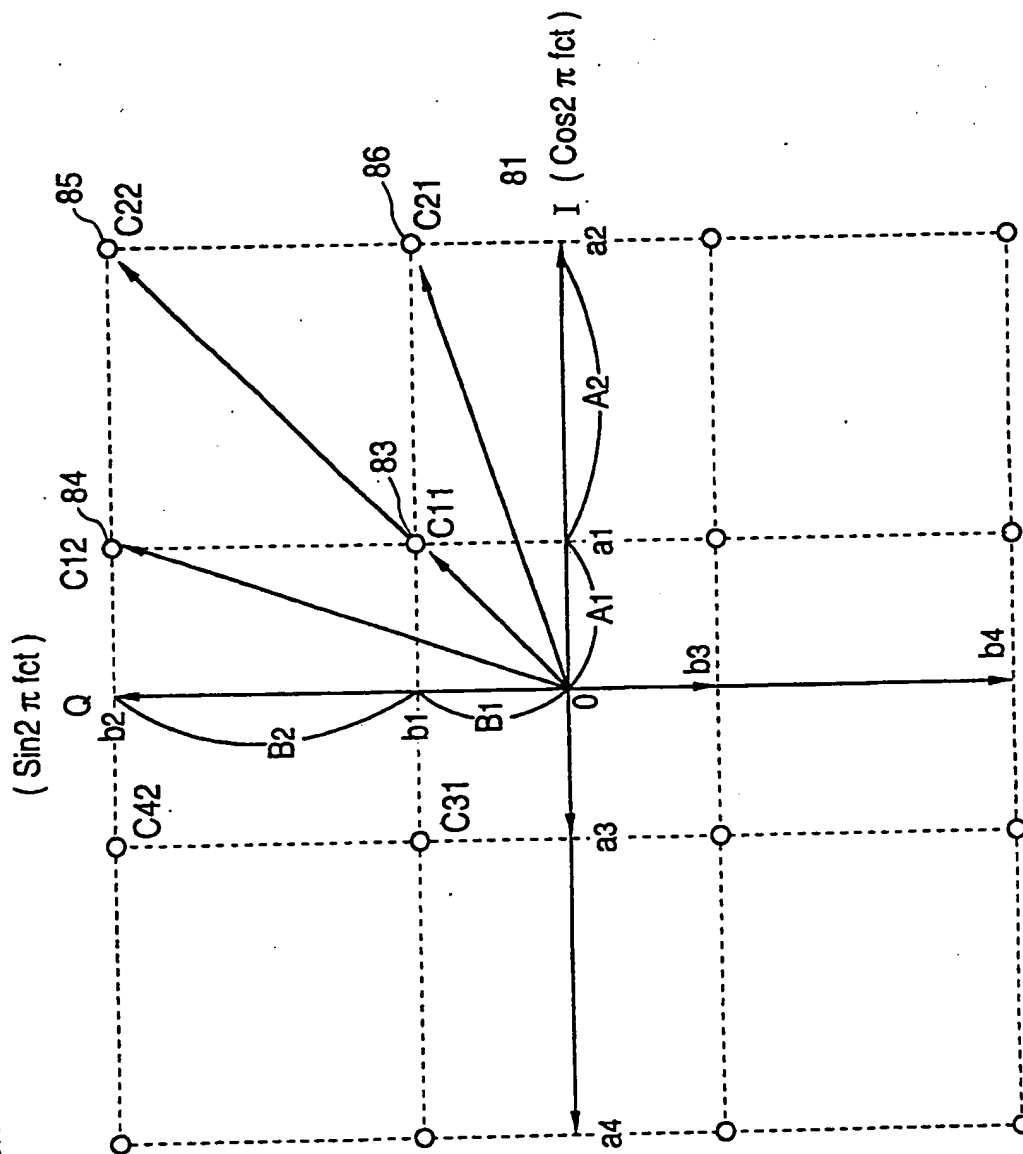


FIG. 5

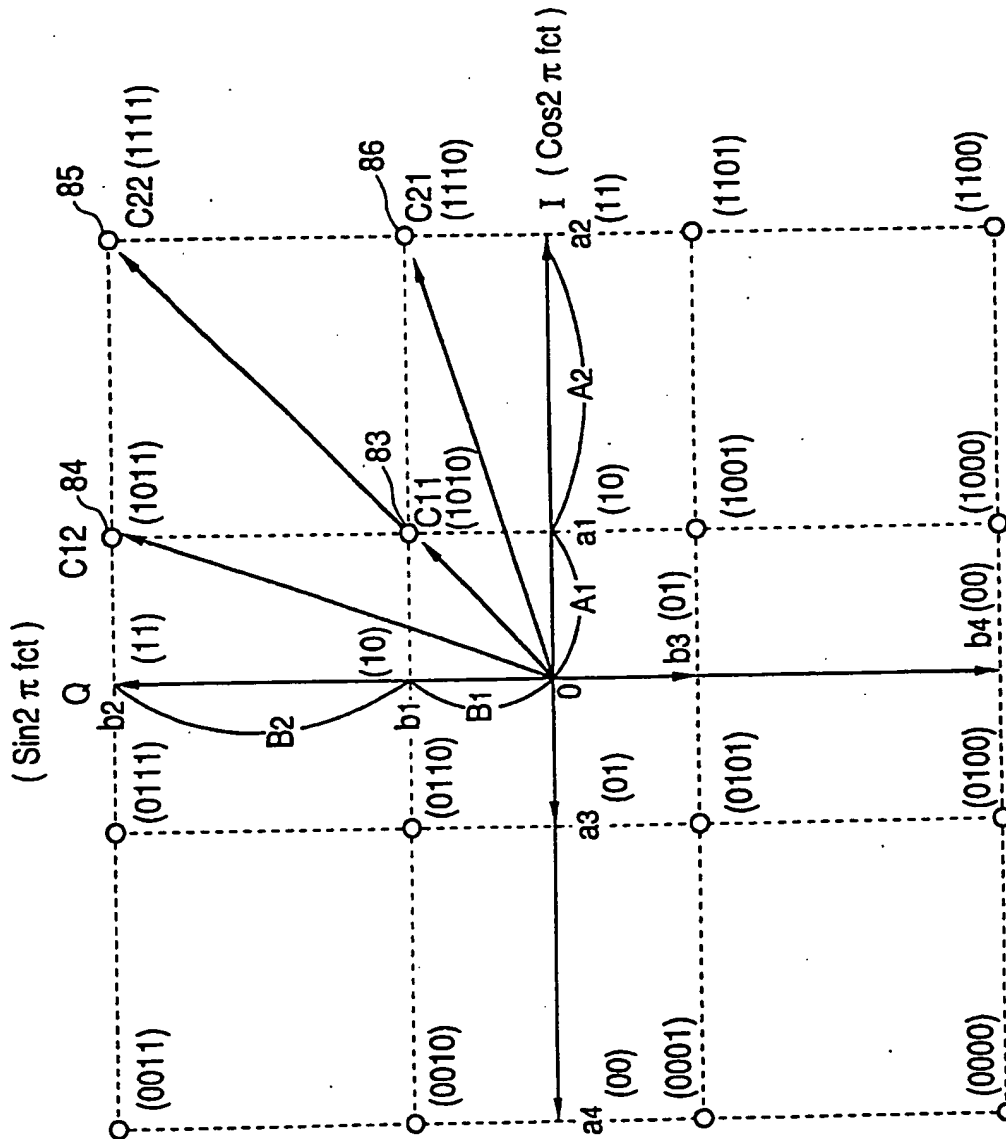


FIG. 6

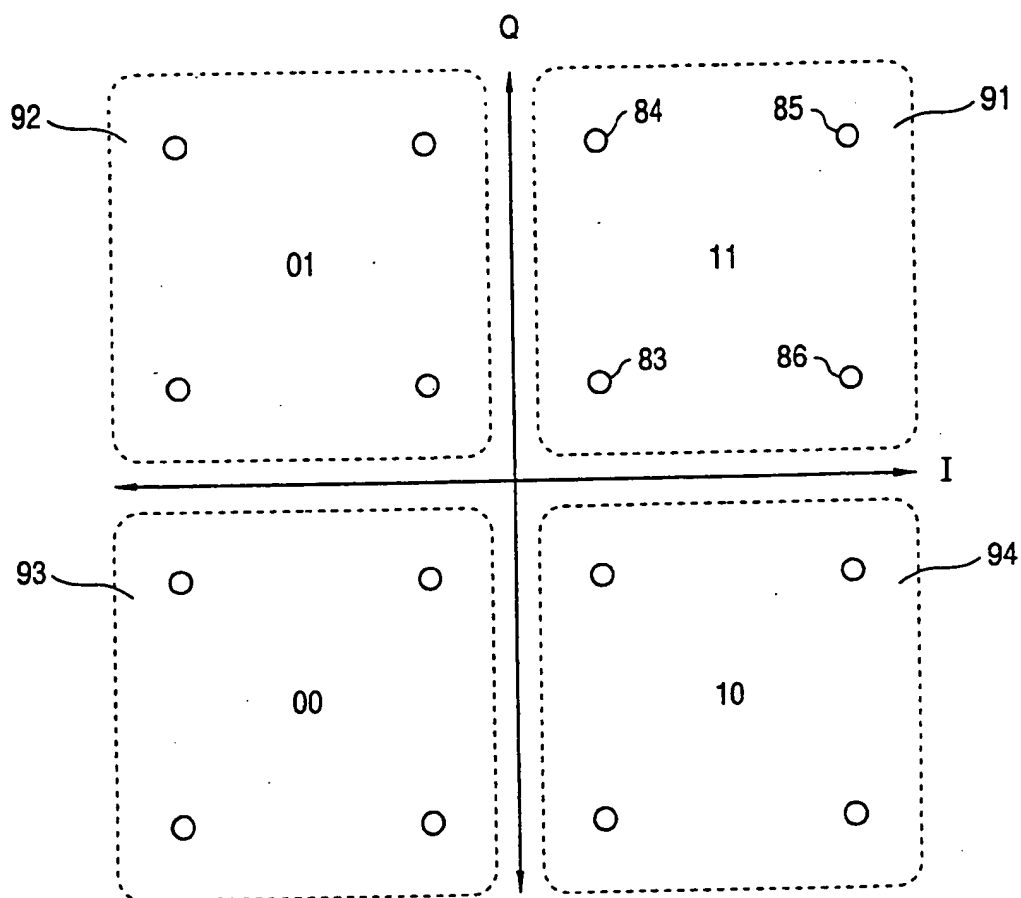


FIG. 7

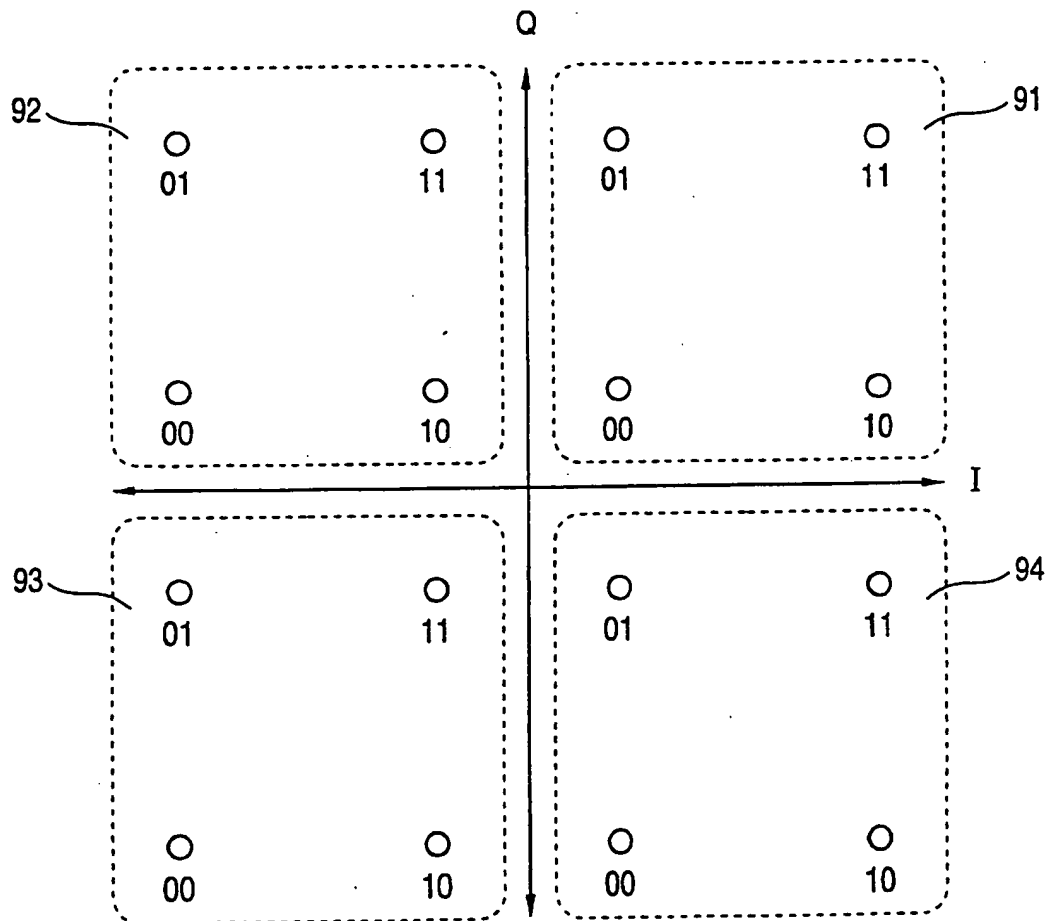


FIG. 8

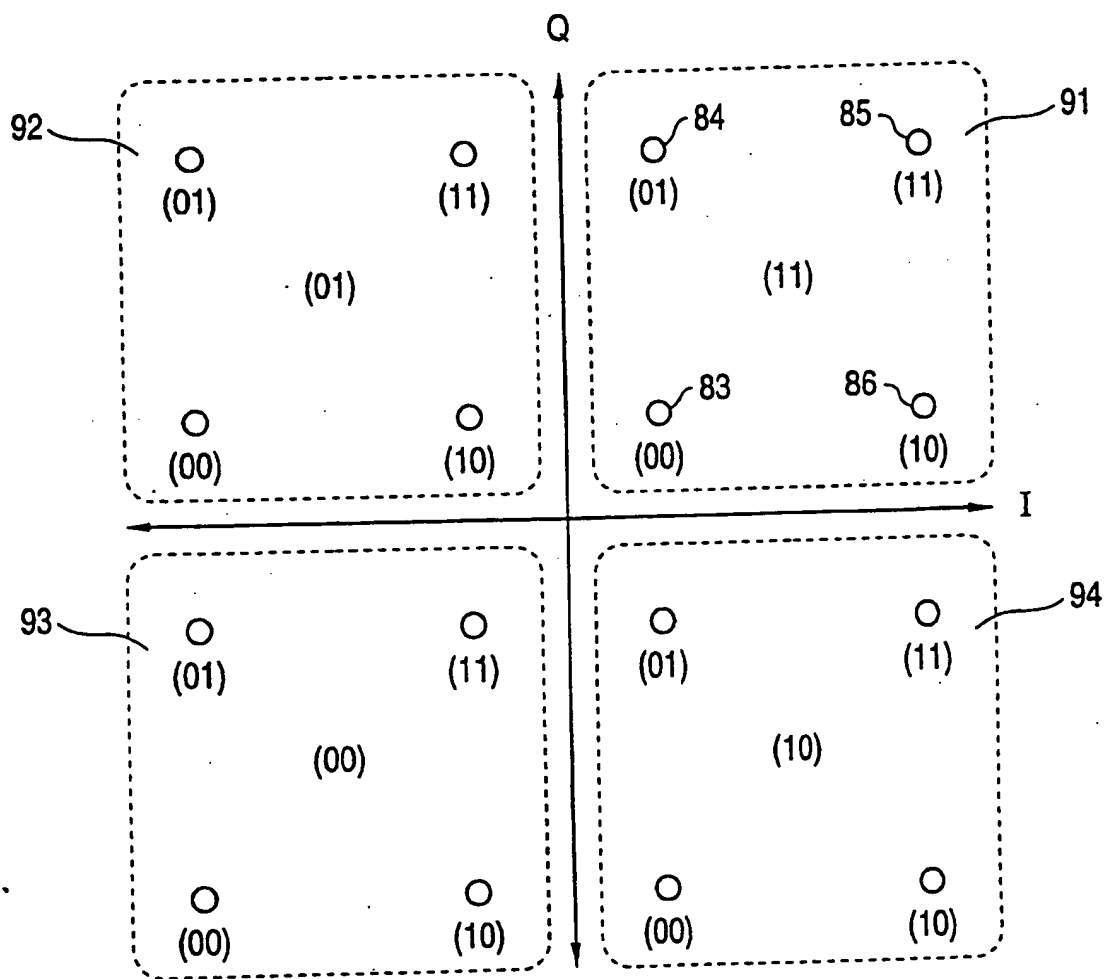


FIG. 9

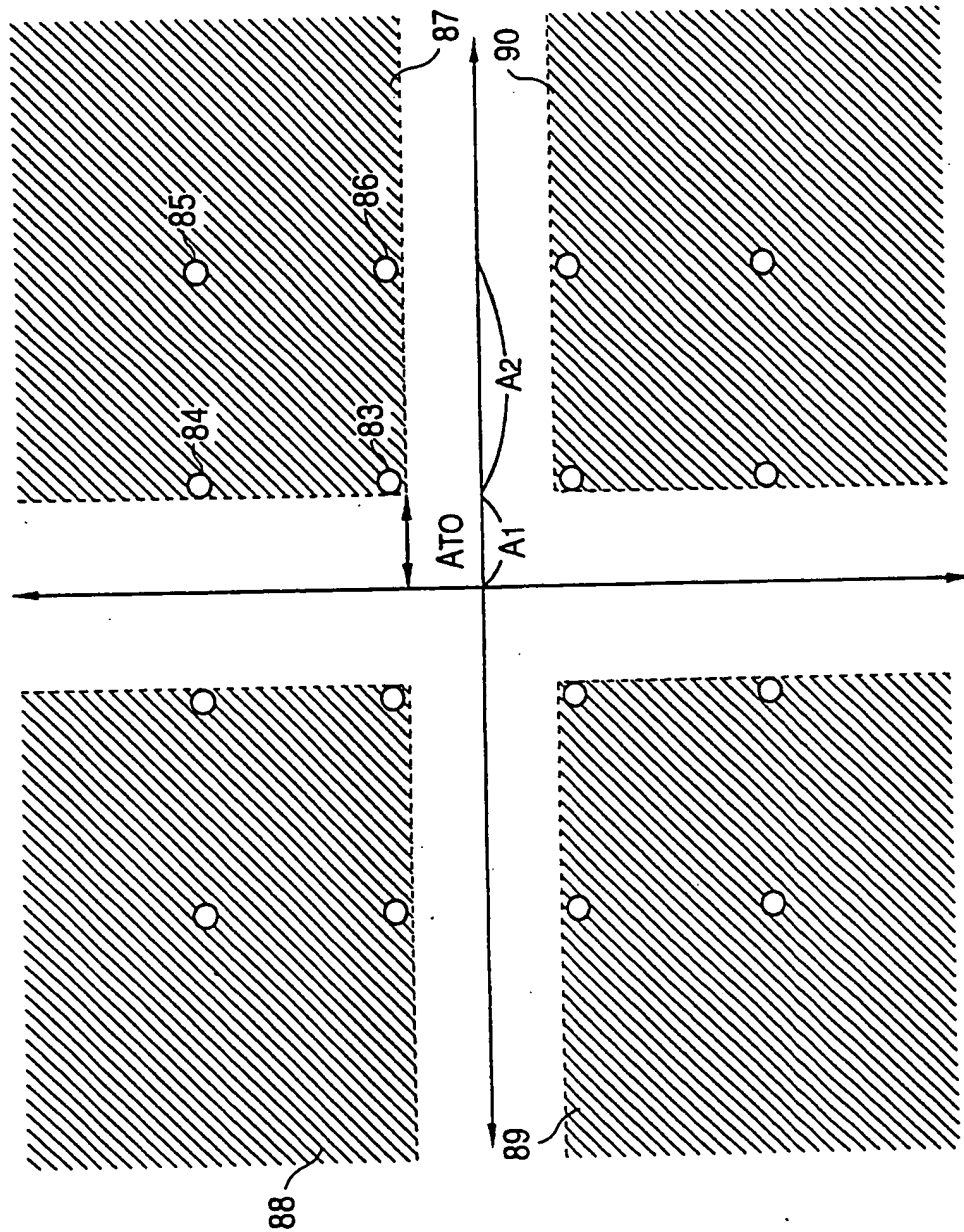


FIG. 10

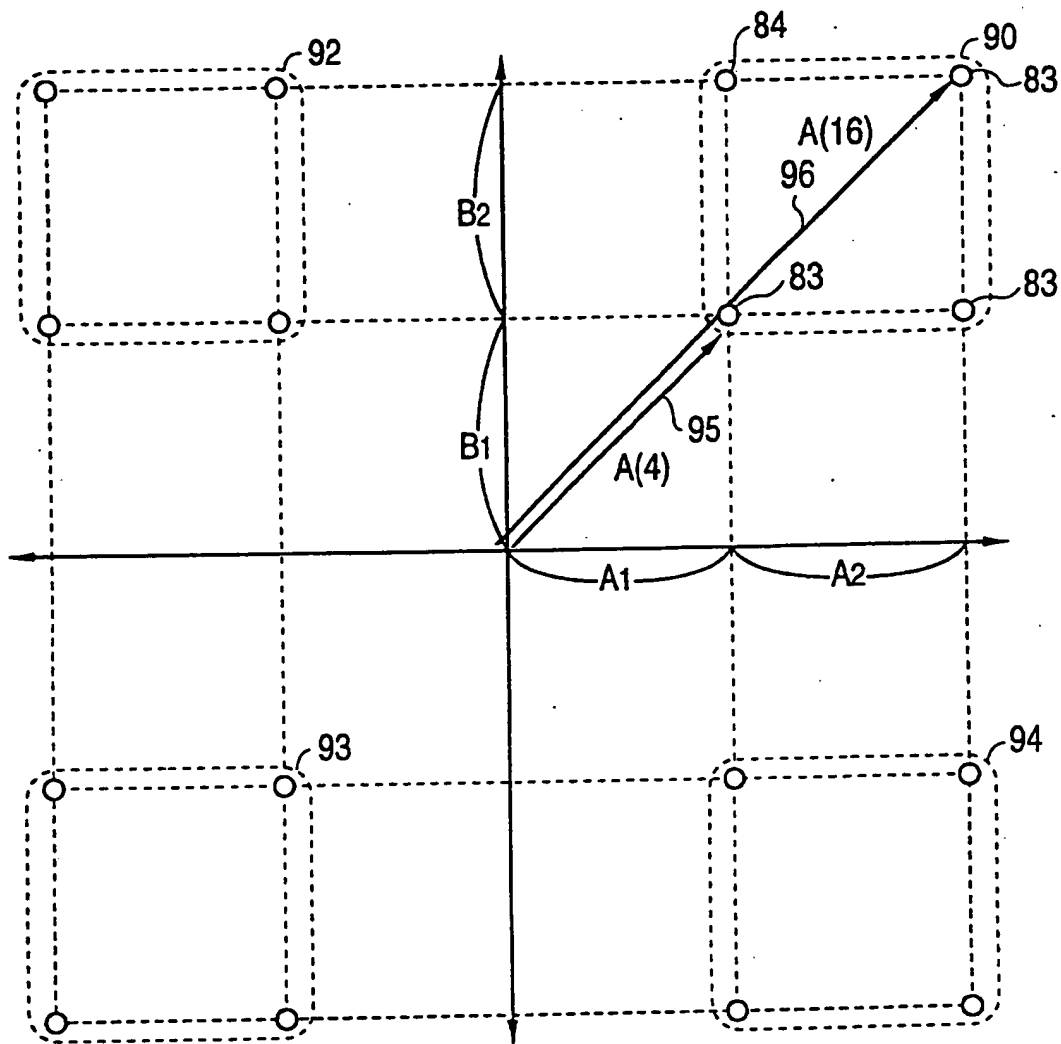


FIG. 11

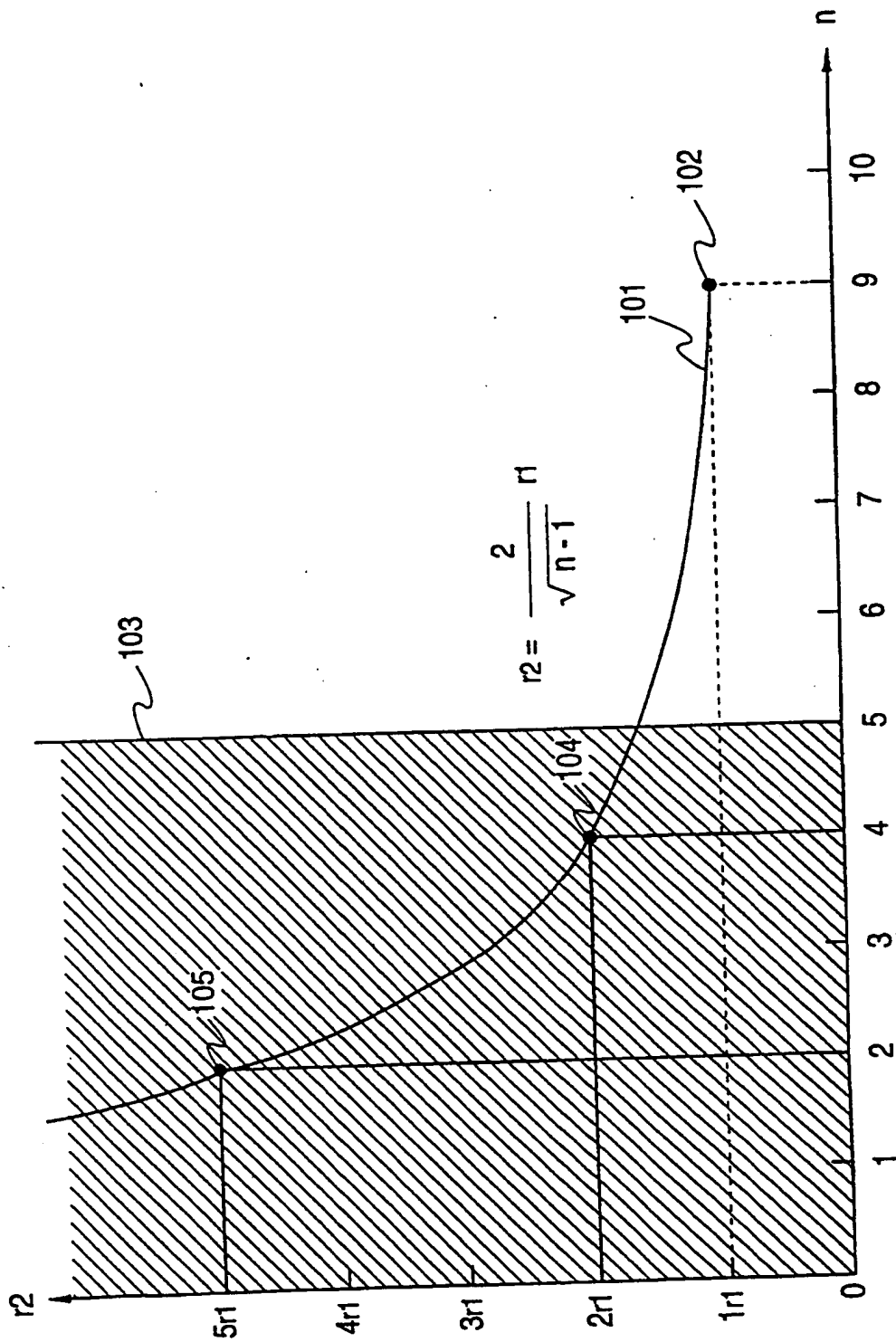


FIG. 12

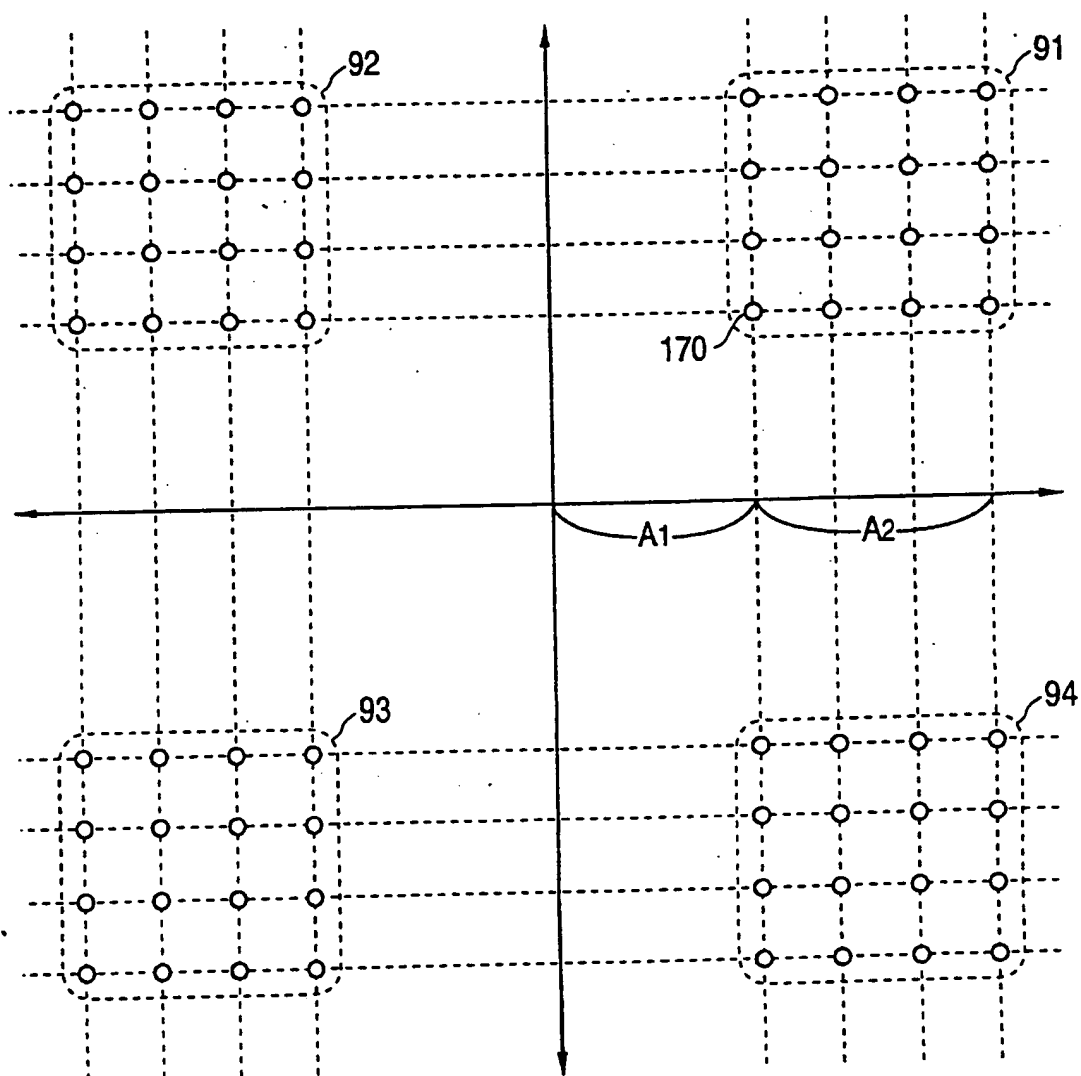


FIG. 13

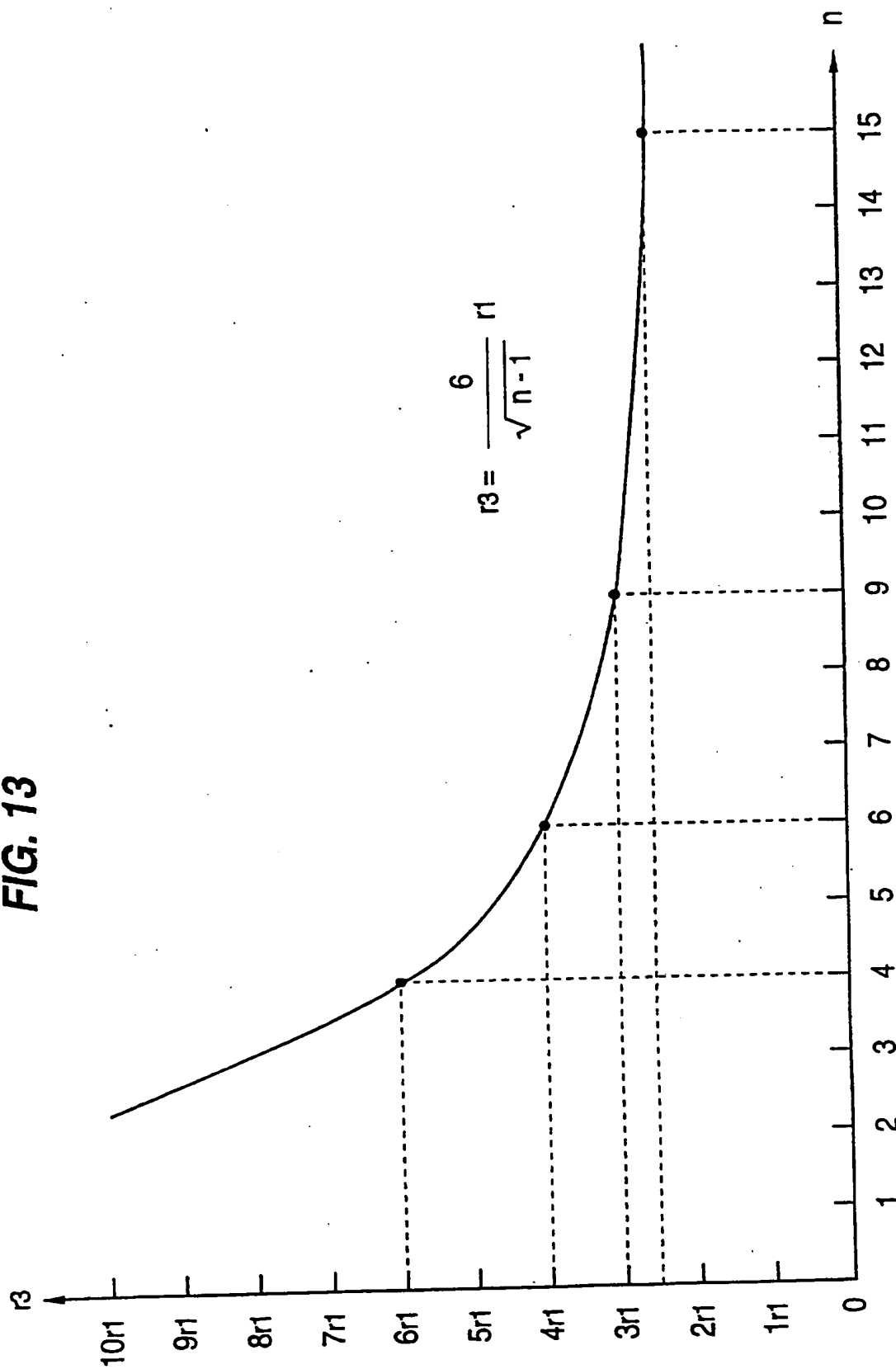


FIG. 14

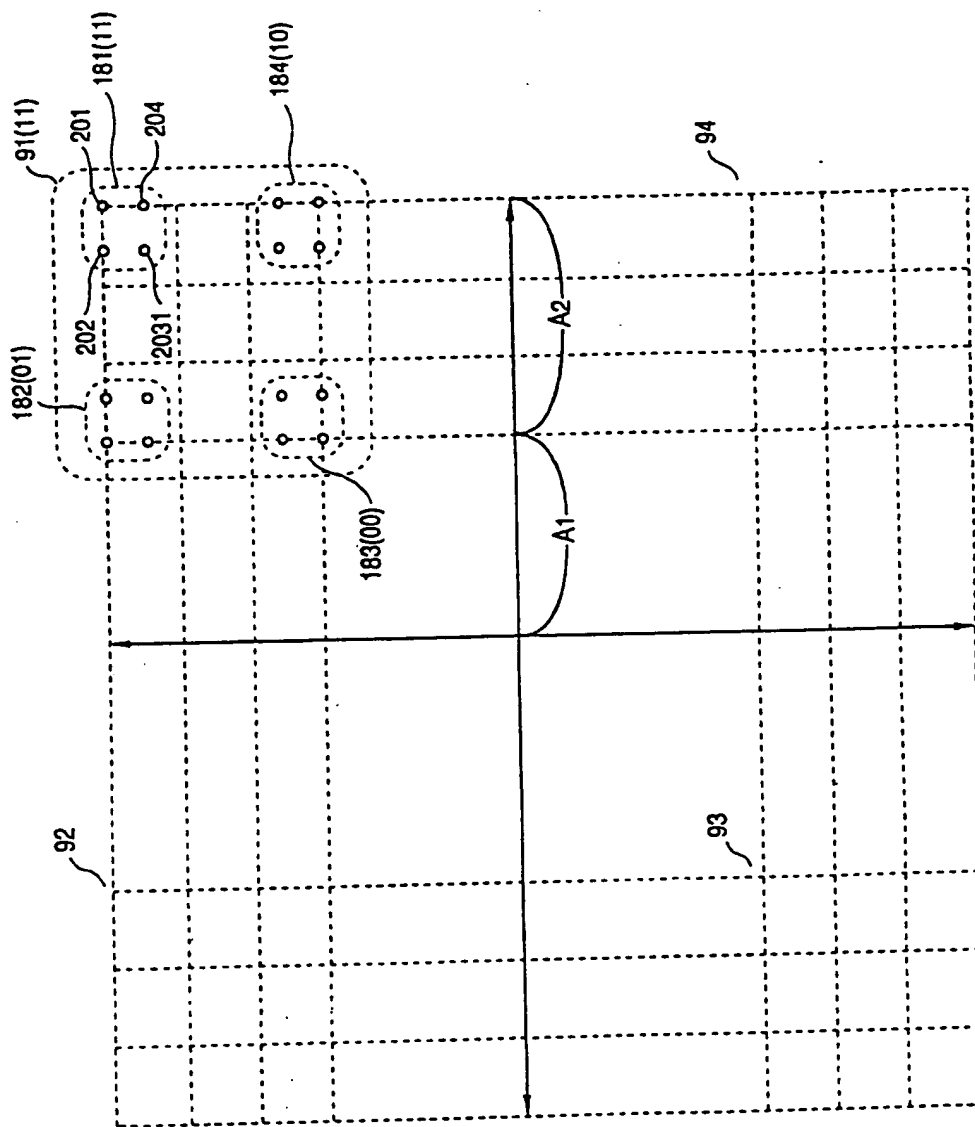


FIG. 15

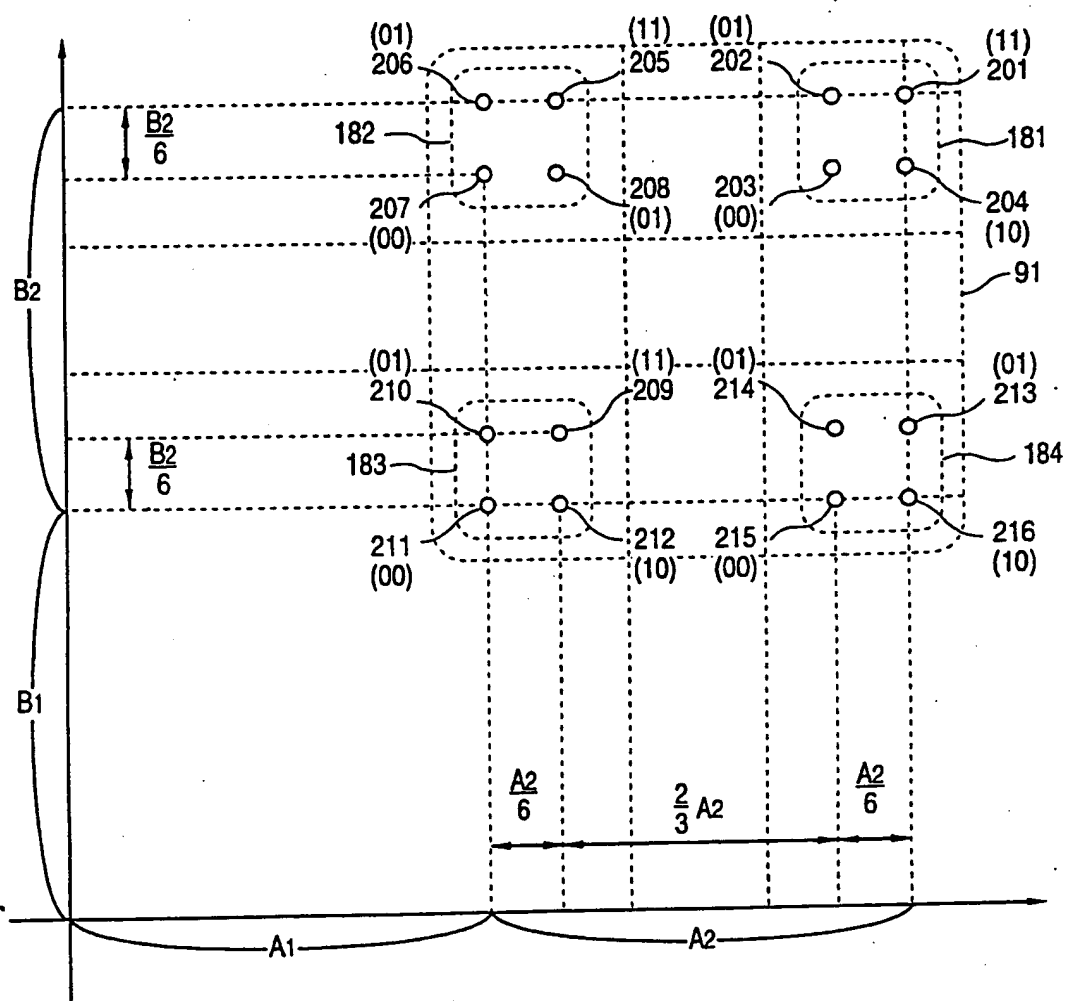


FIG. 16

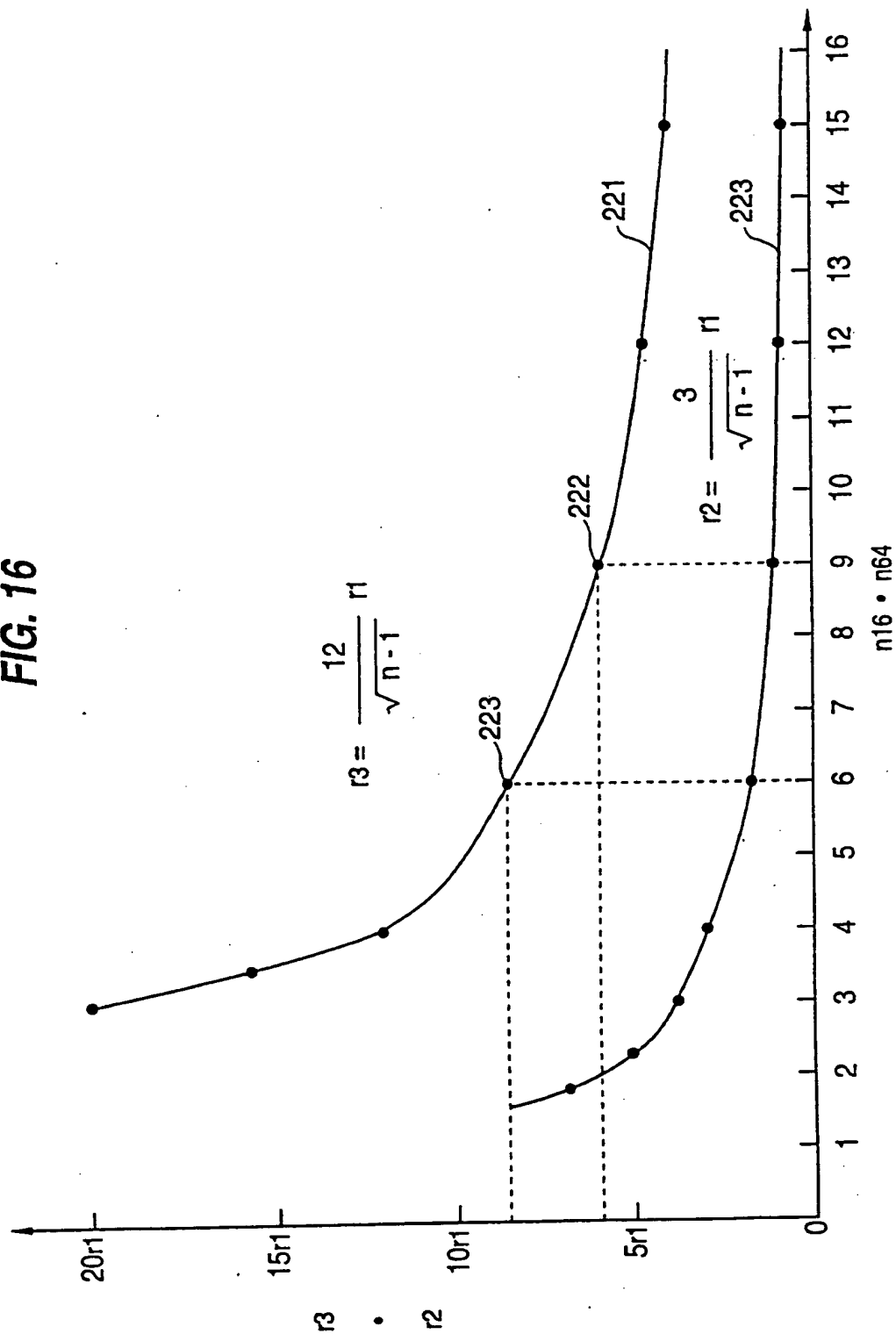


FIG. 17

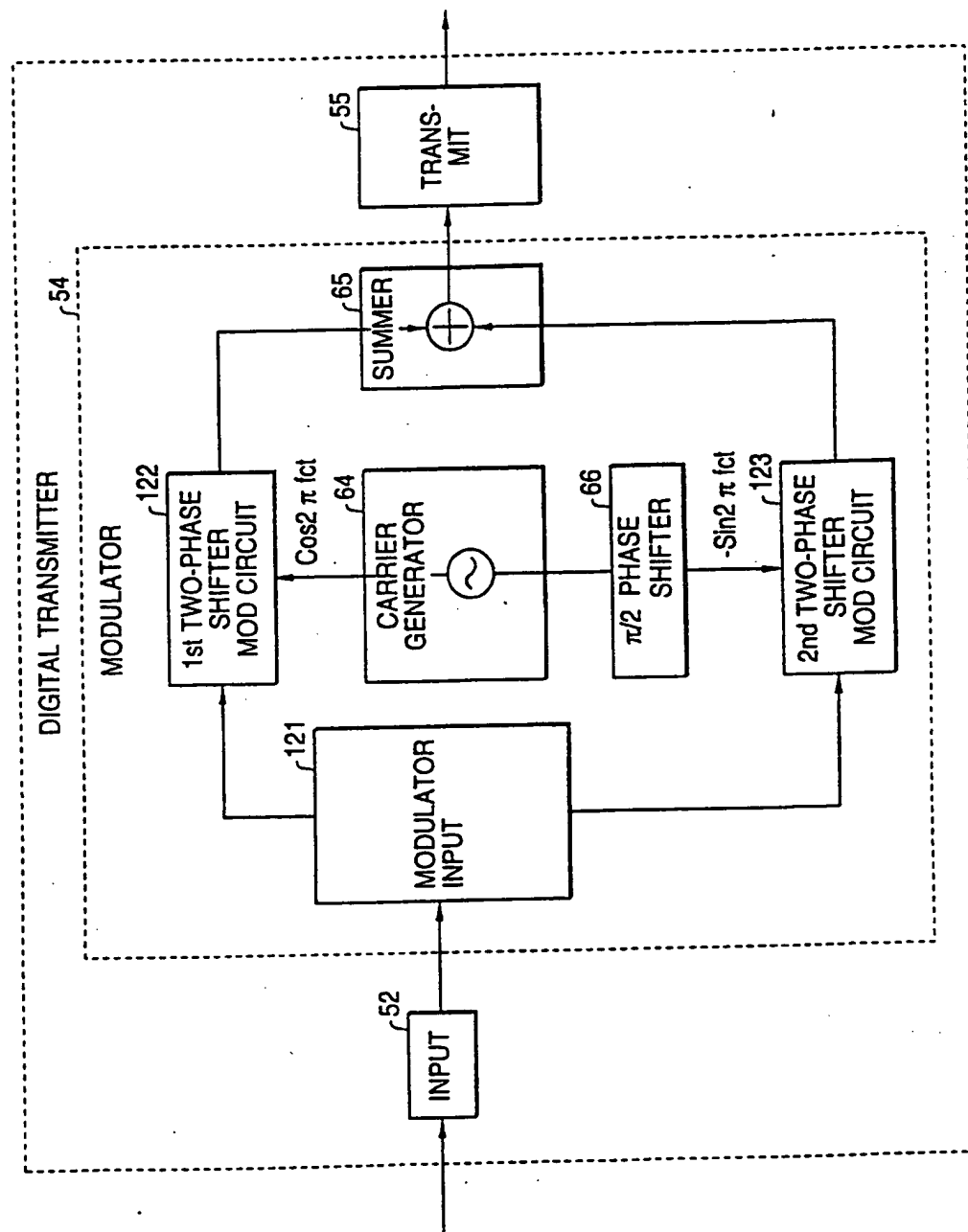


FIG. 18

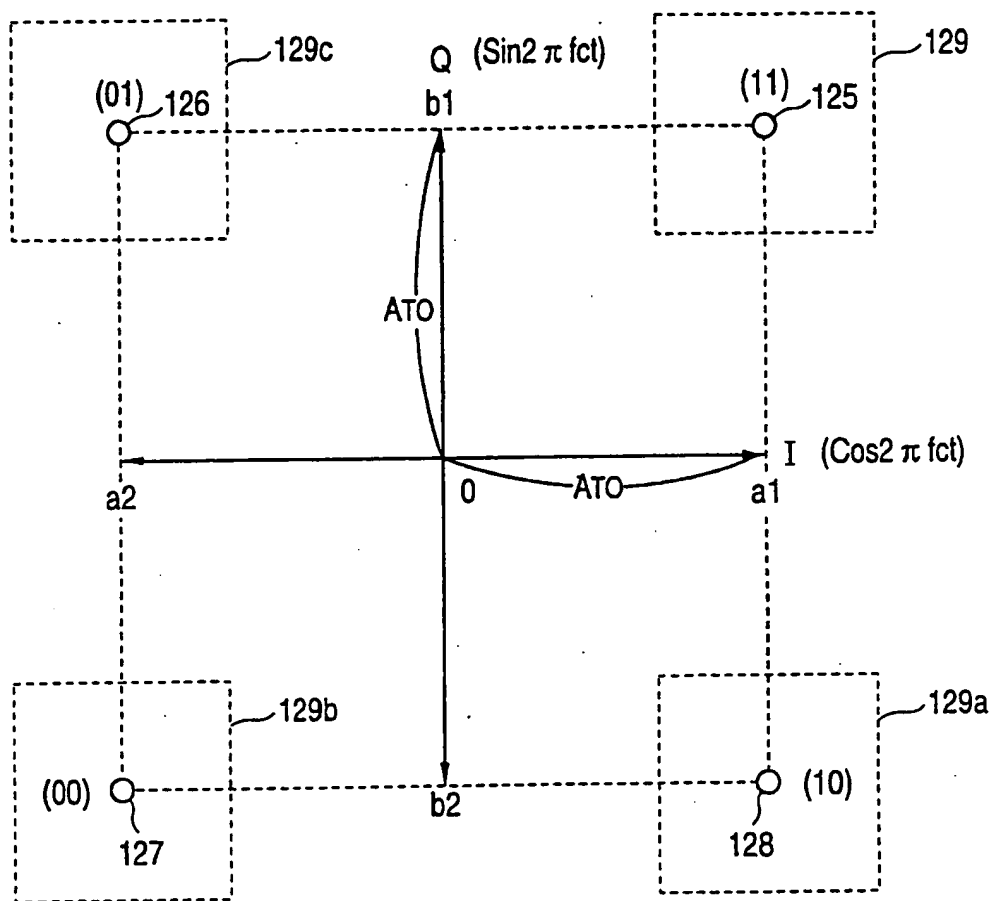


FIG. 19

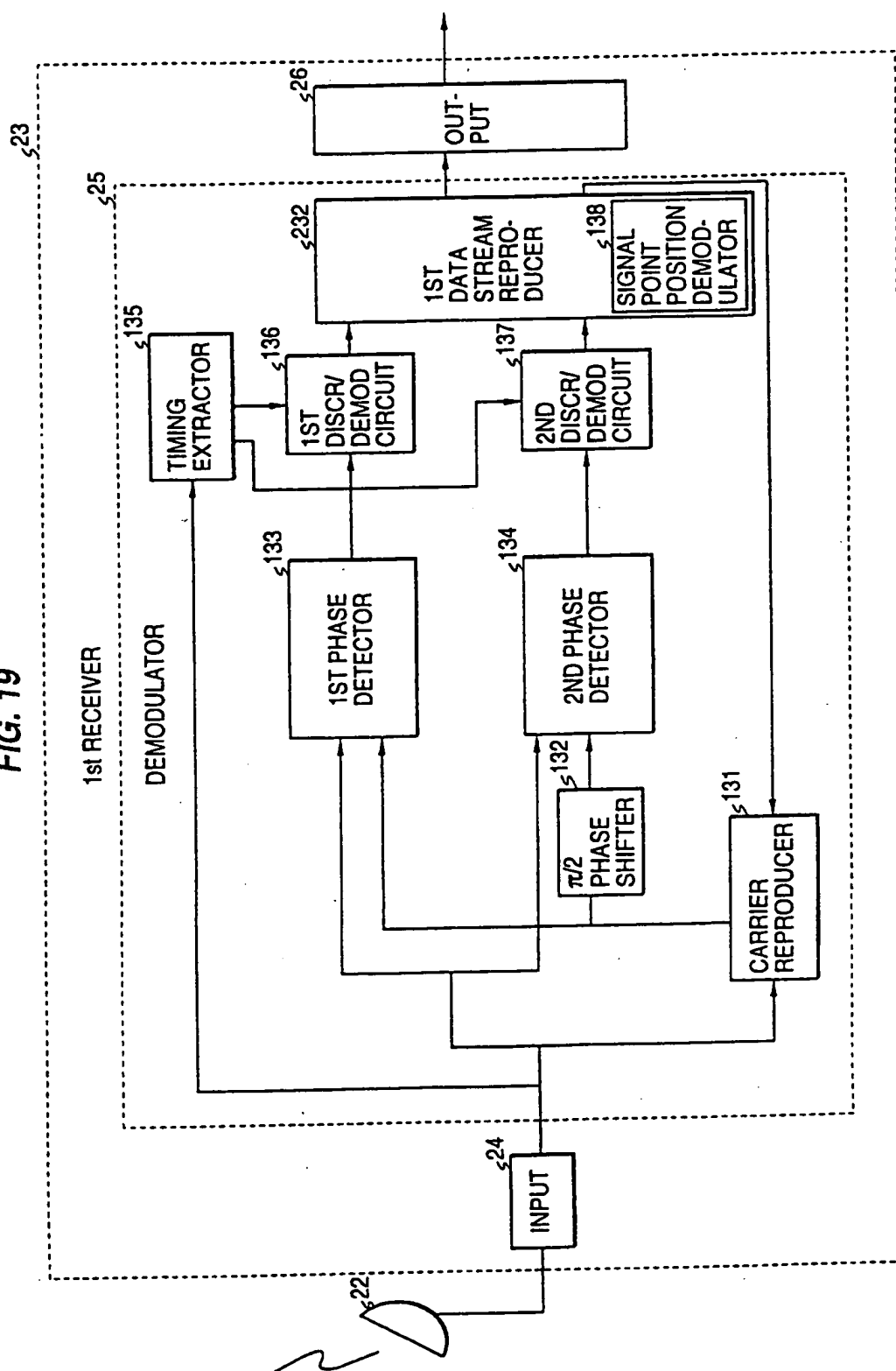


FIG. 20

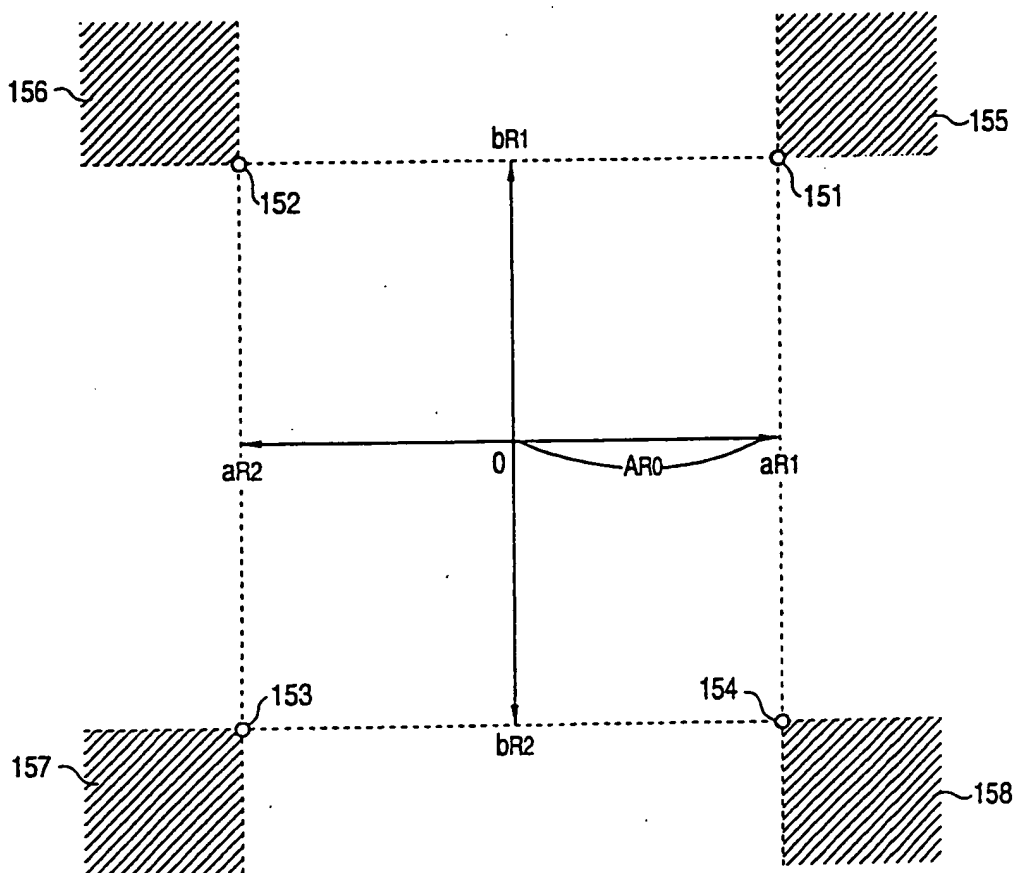


FIG. 21

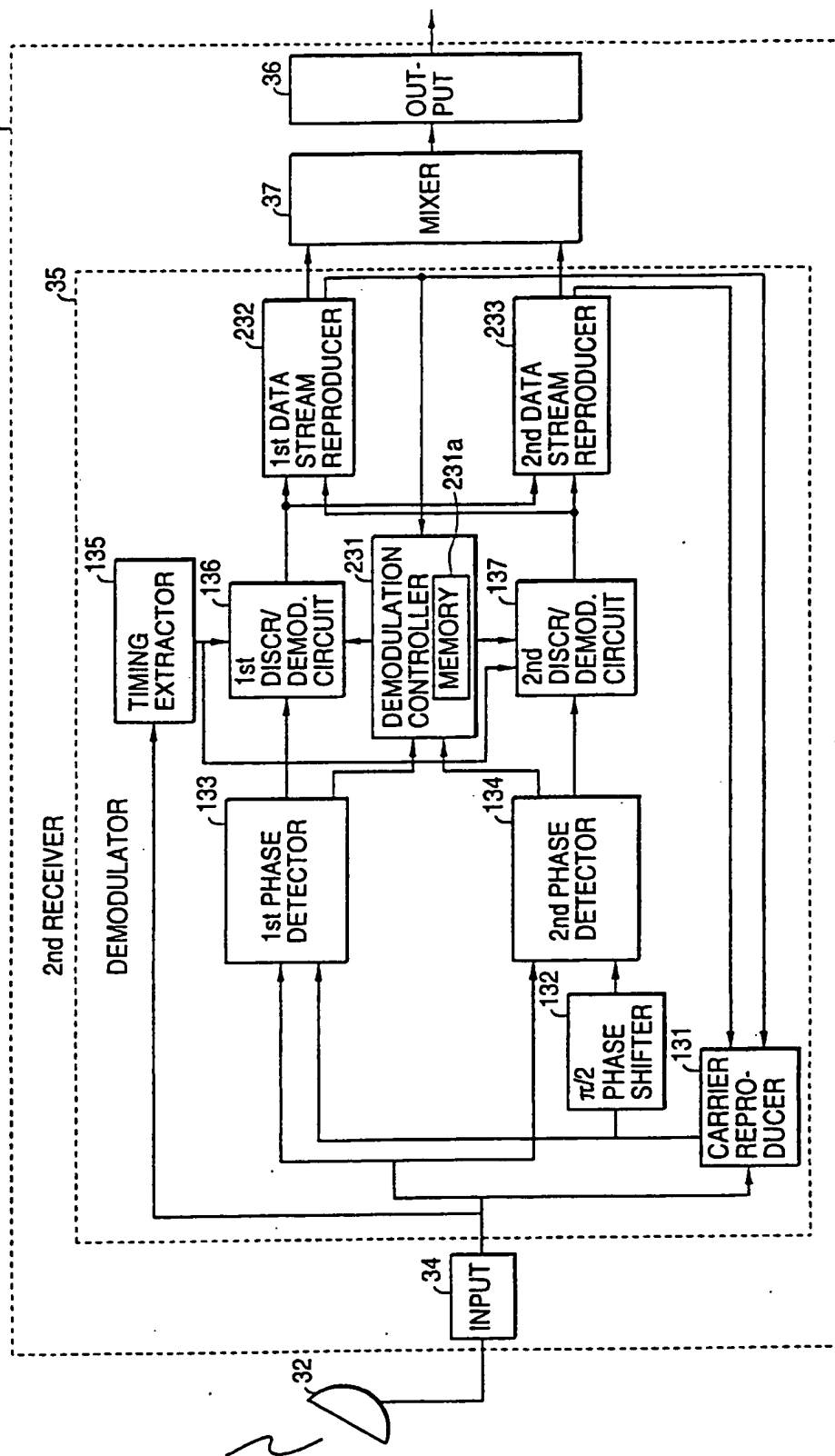
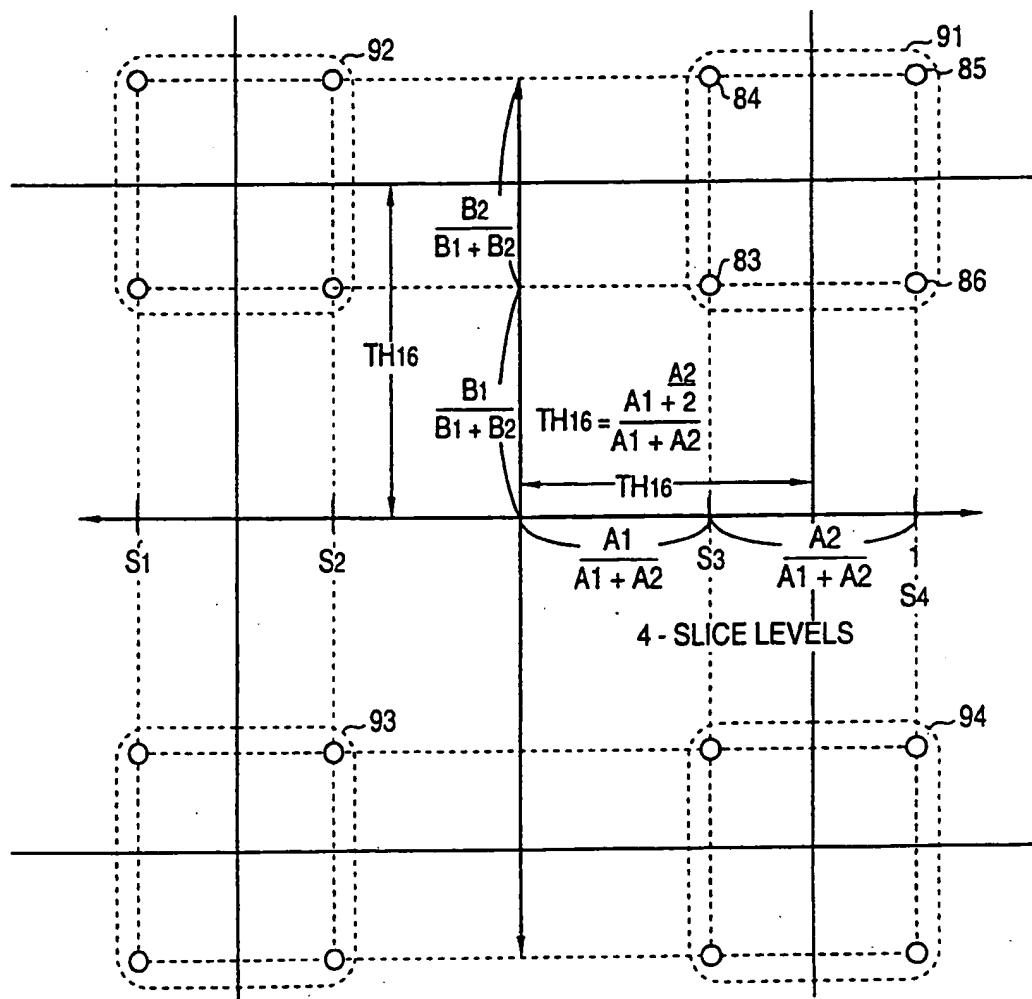


FIG. 22



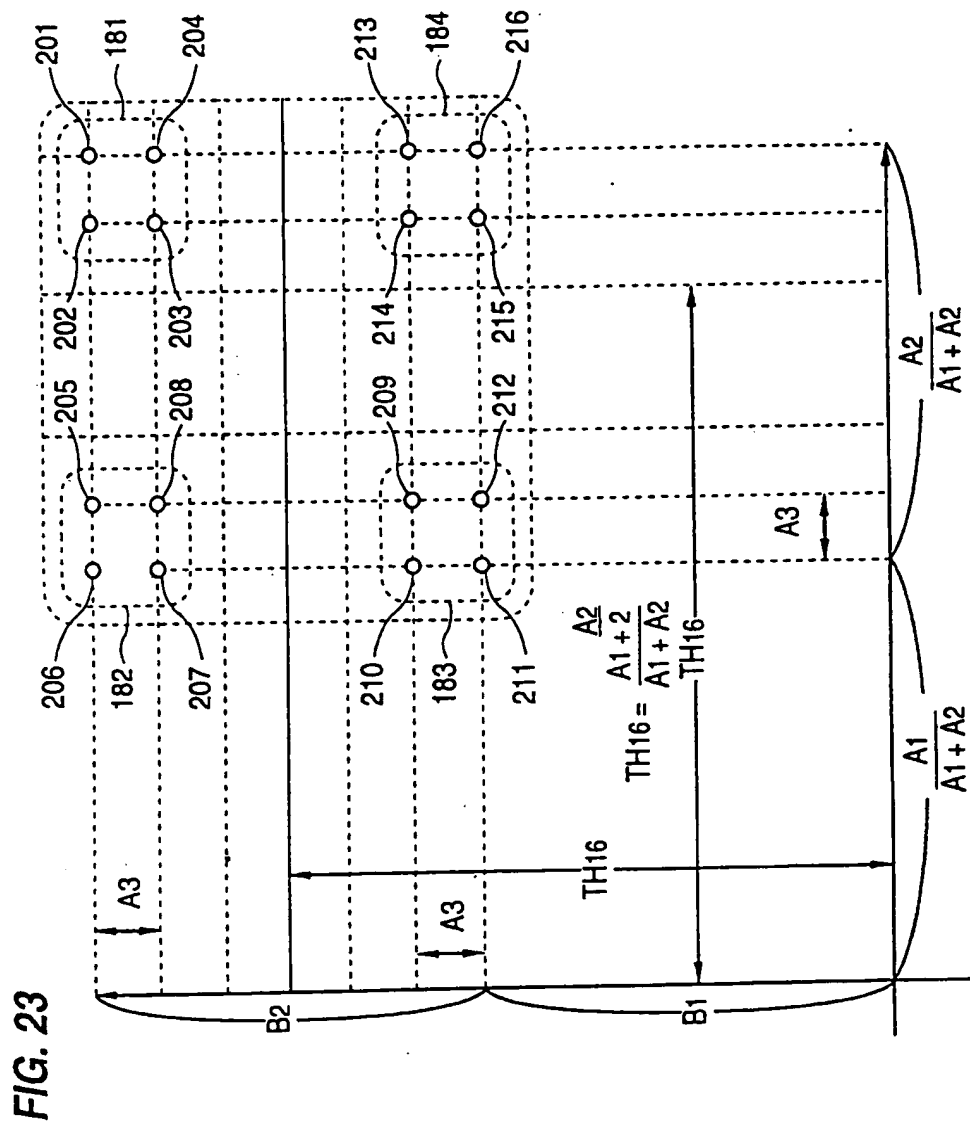


FIG. 24

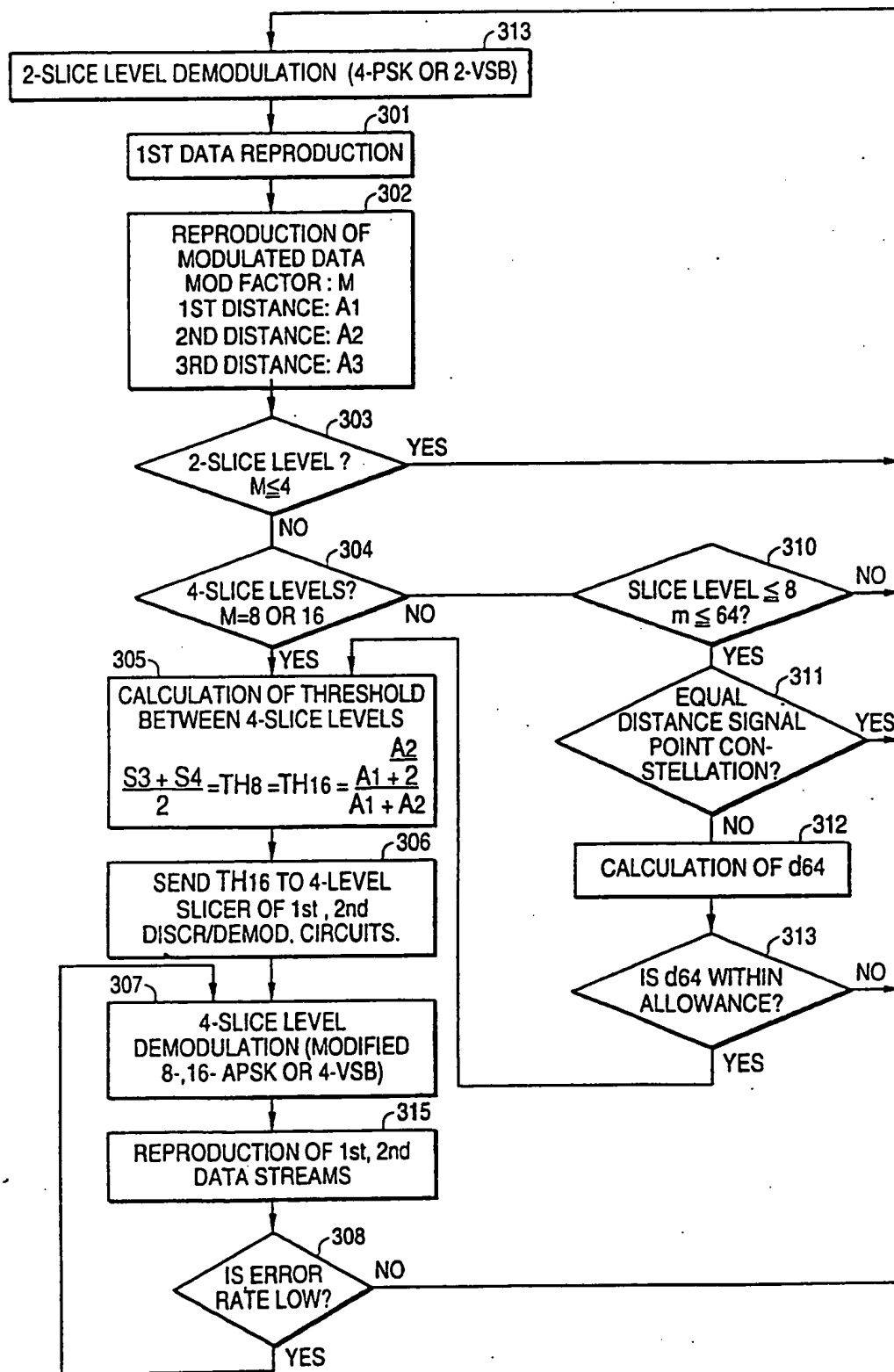


FIG. 25(a)

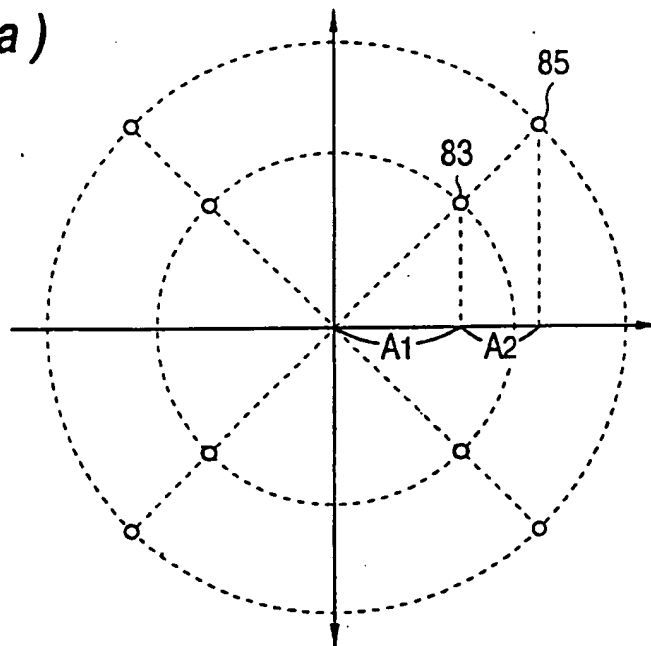


FIG. 25(b)

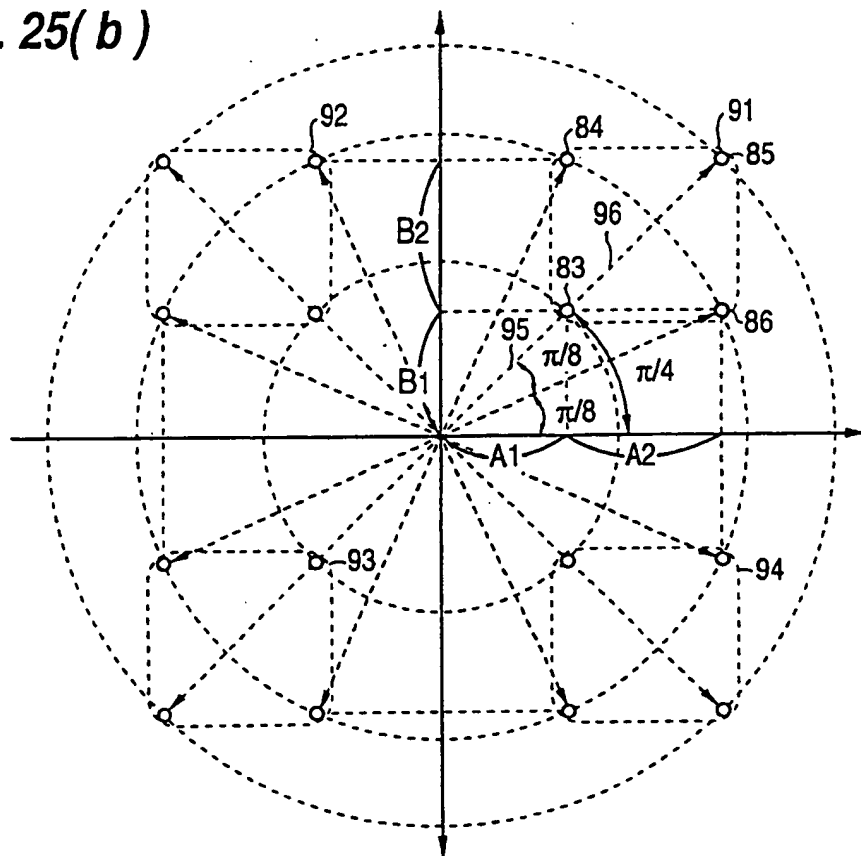
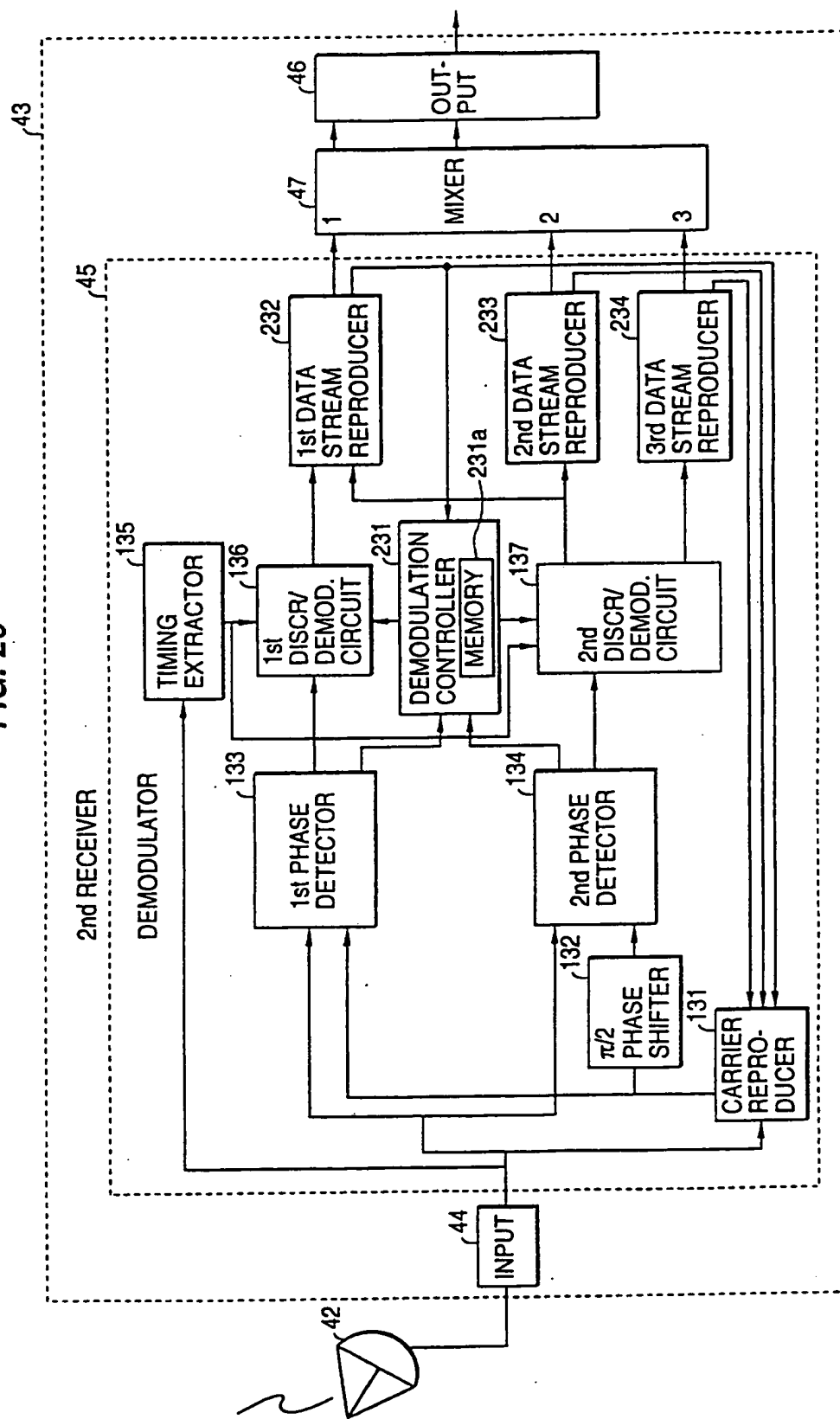


FIG. 26



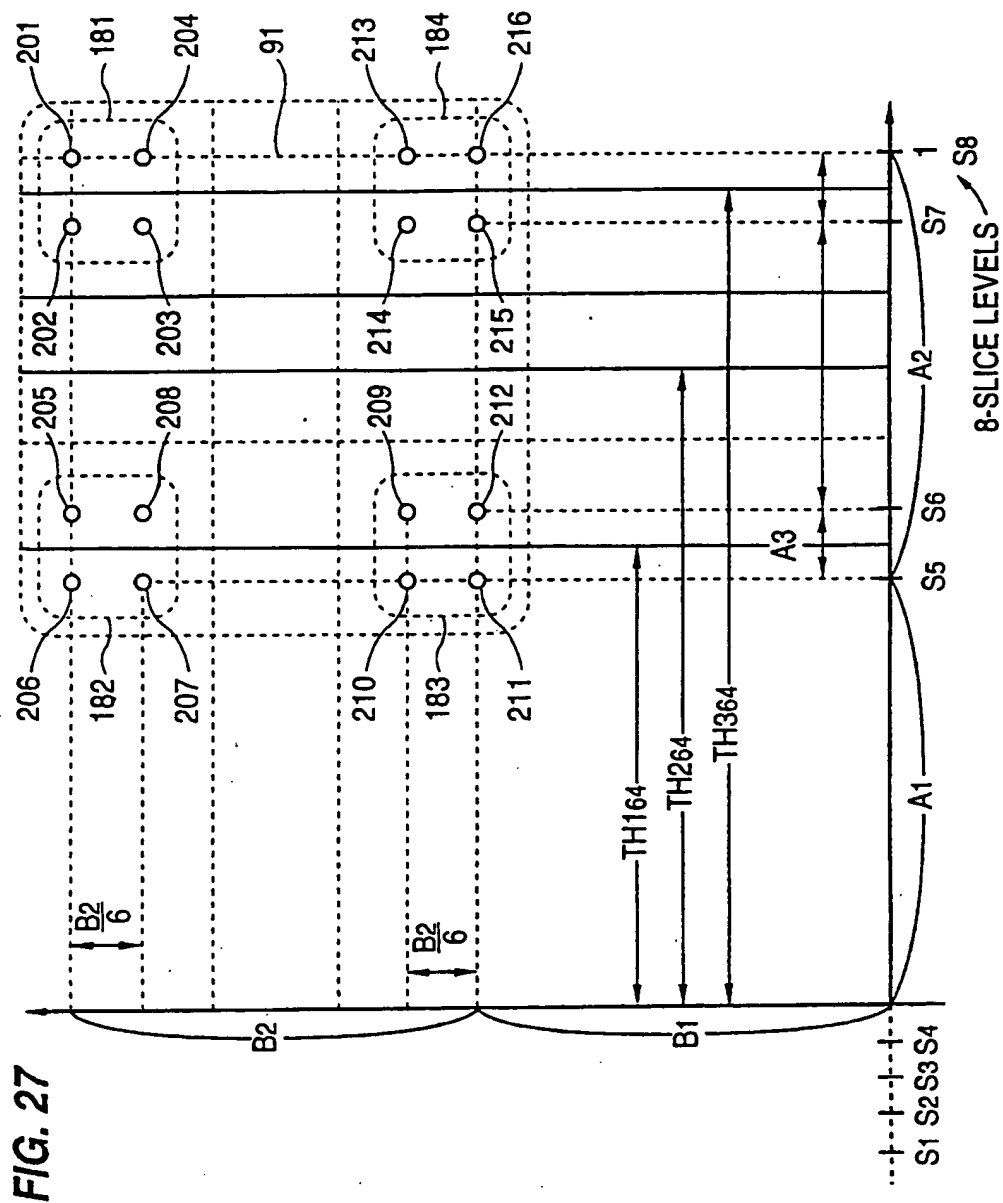


FIG. 28

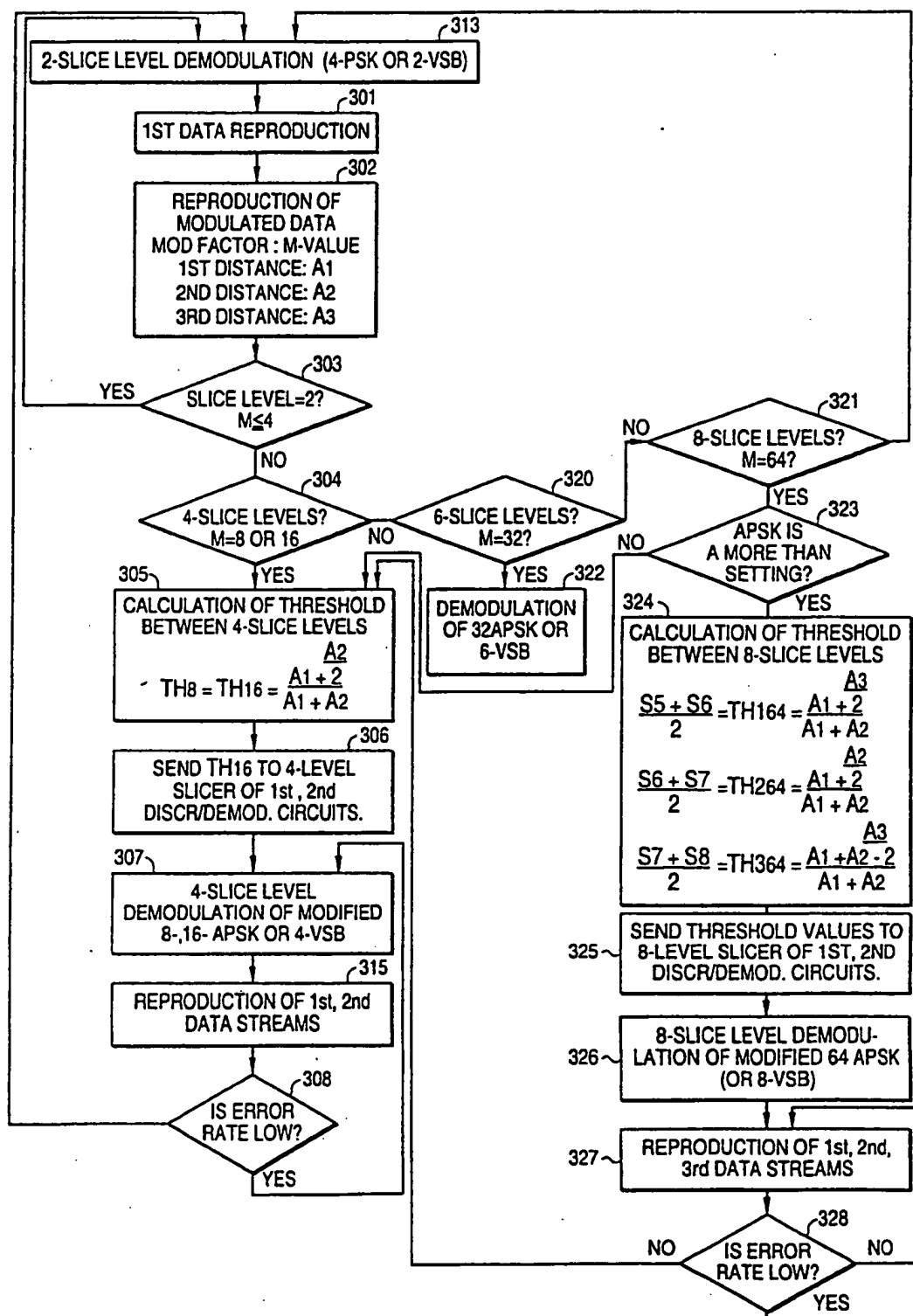


FIG. 29

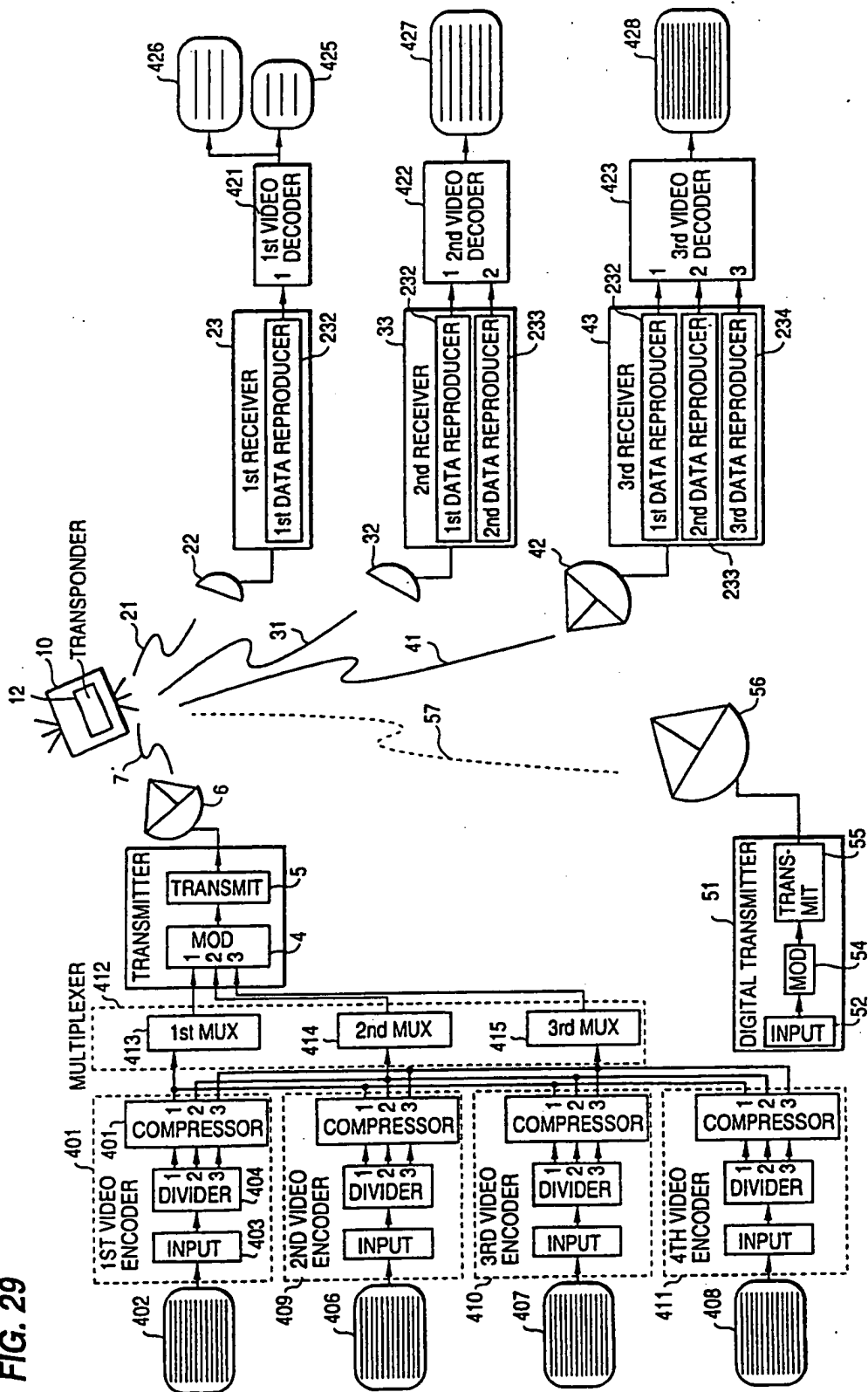


FIG. 30

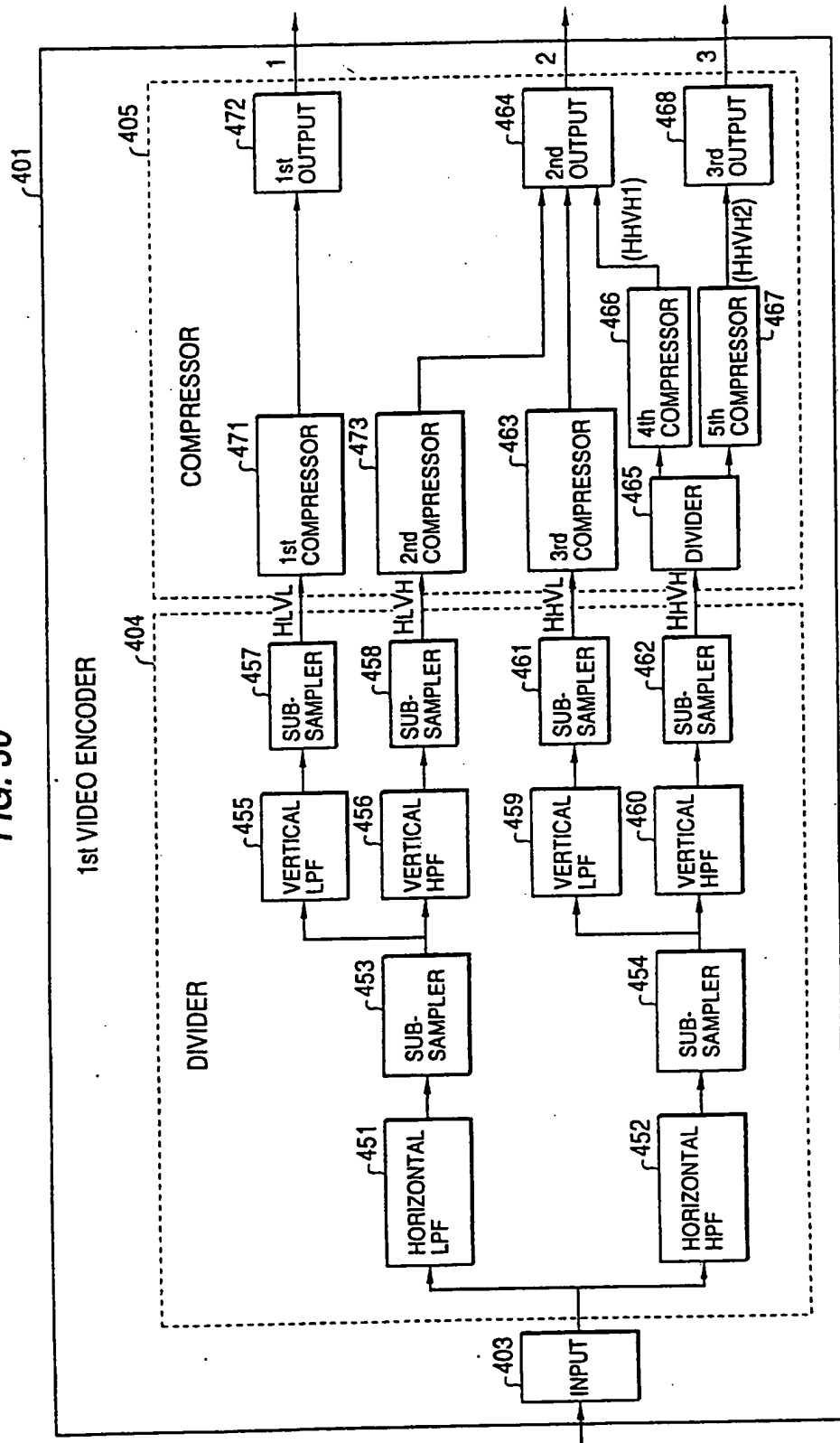


FIG. 31

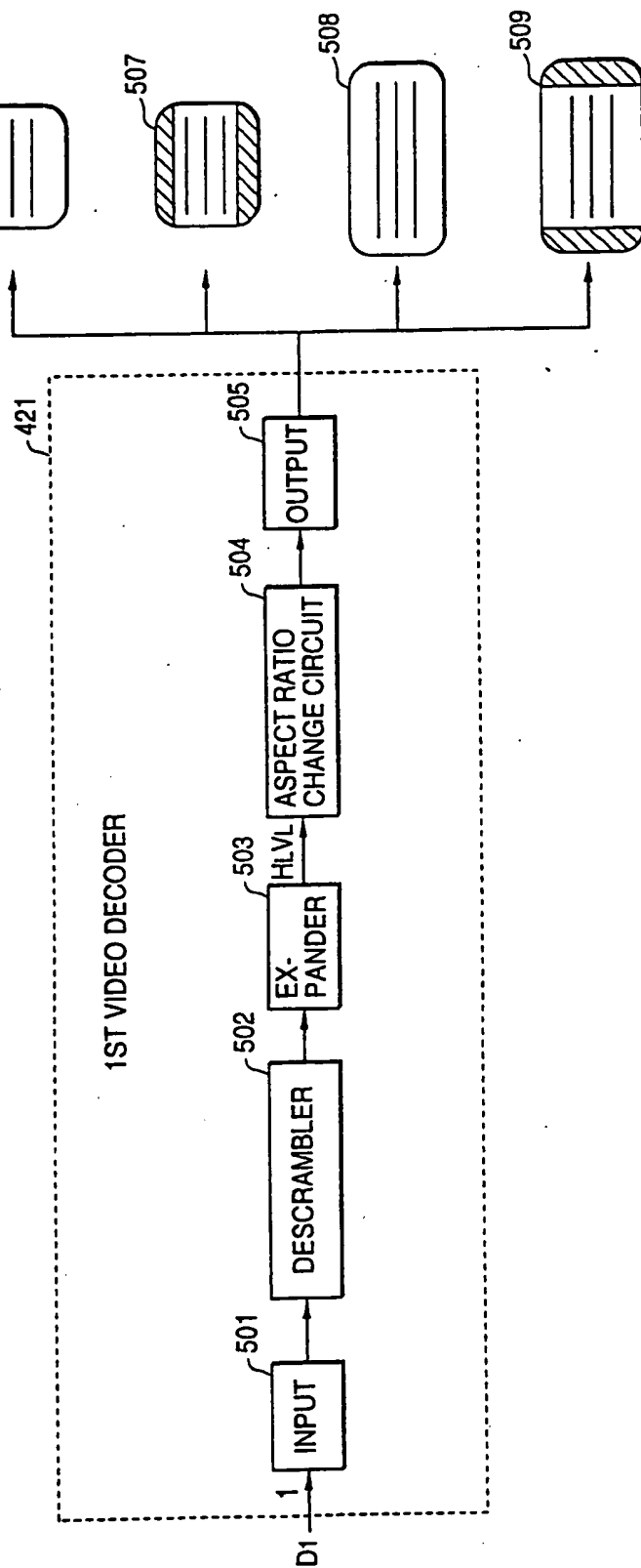


FIG. 32

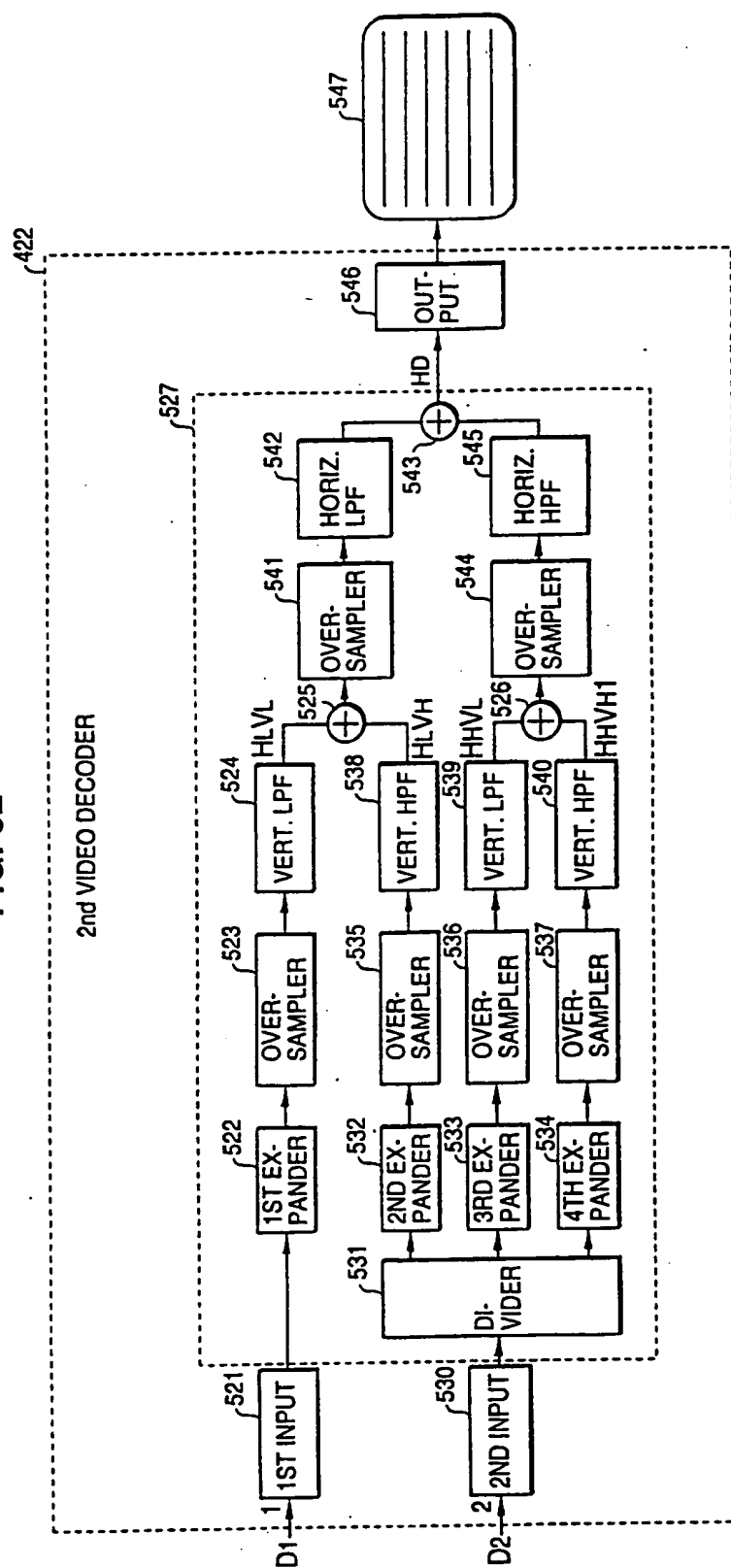


FIG. 33

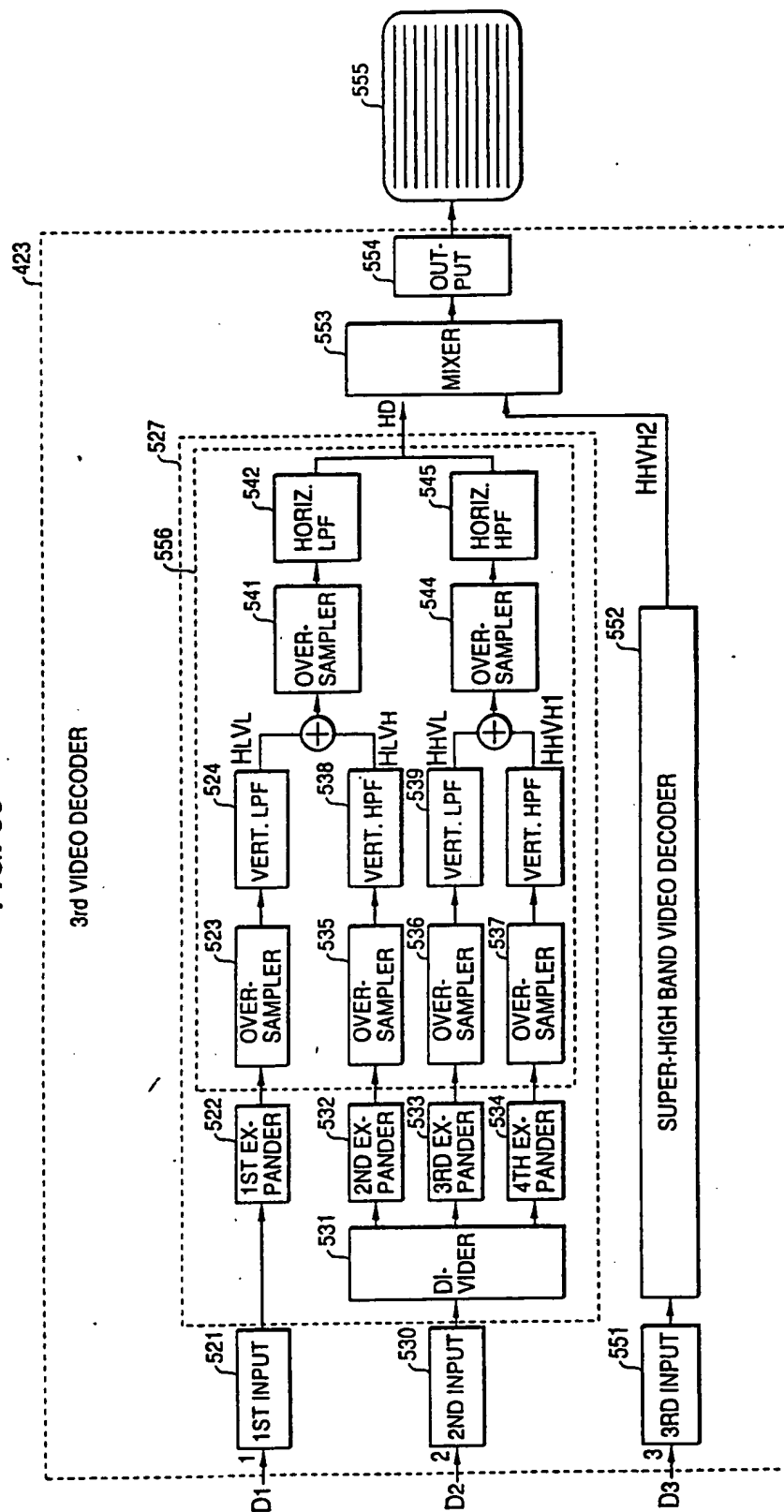


FIG. 34

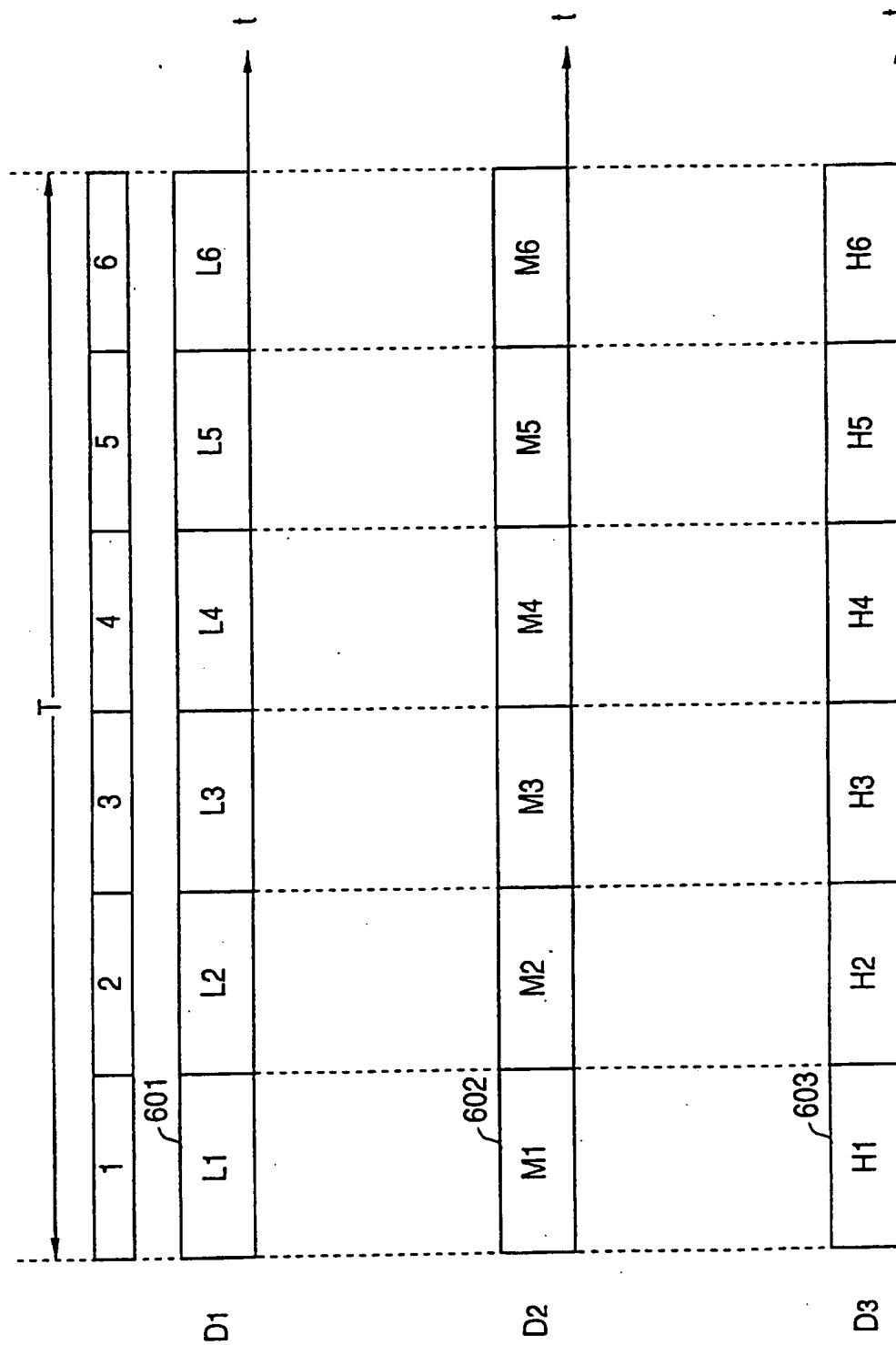


FIG. 35

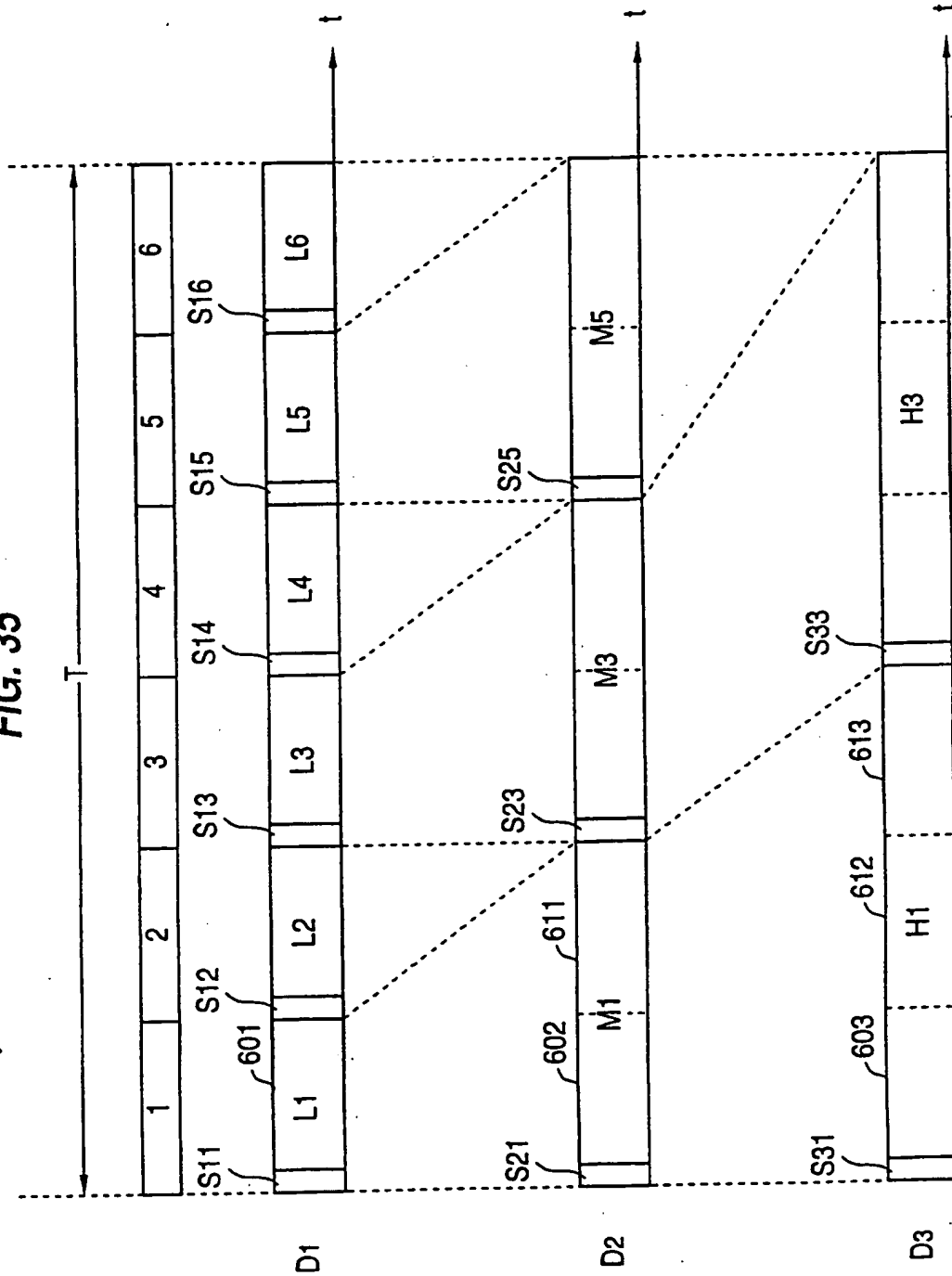


FIG. 36

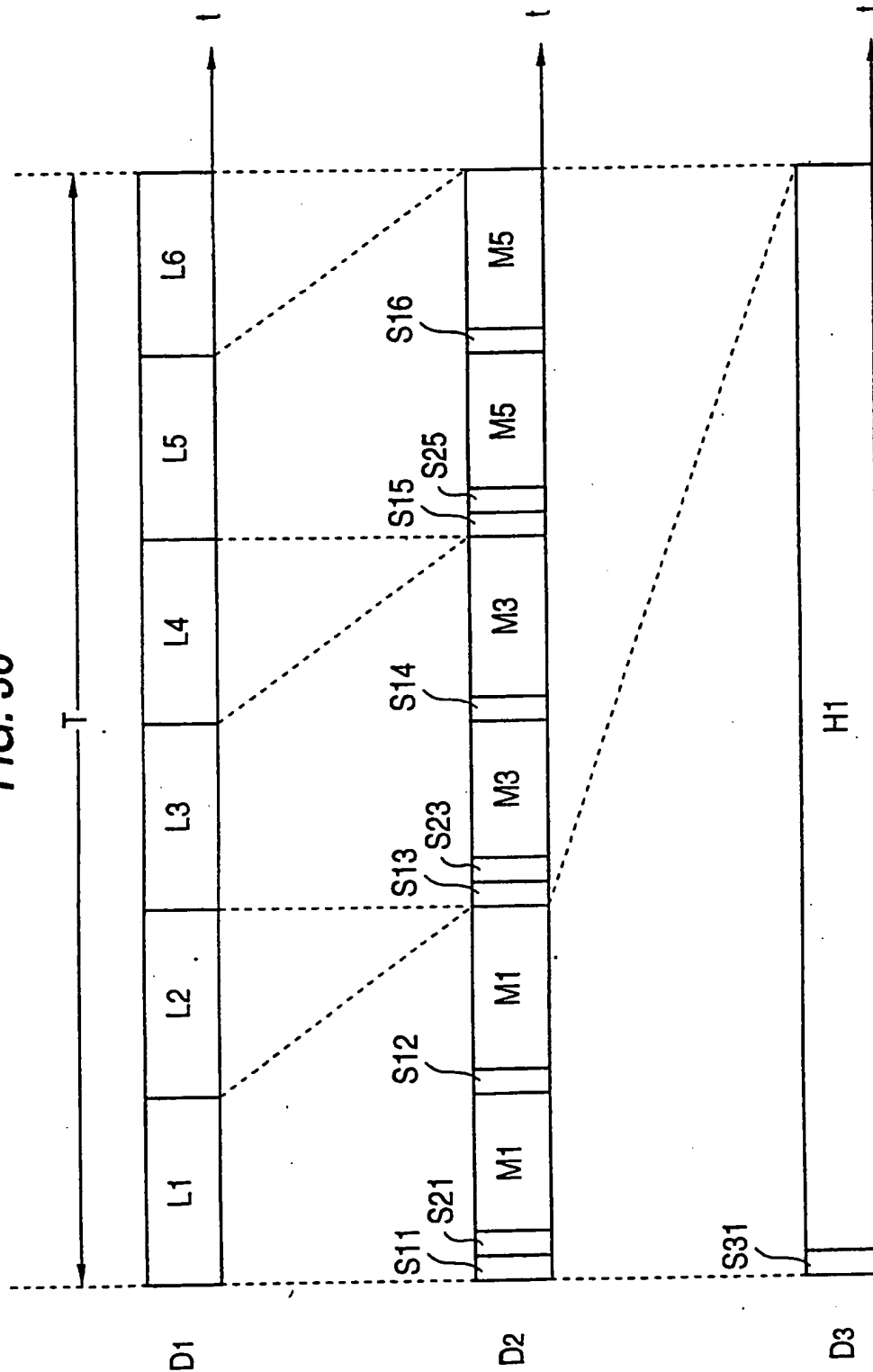


FIG. 37

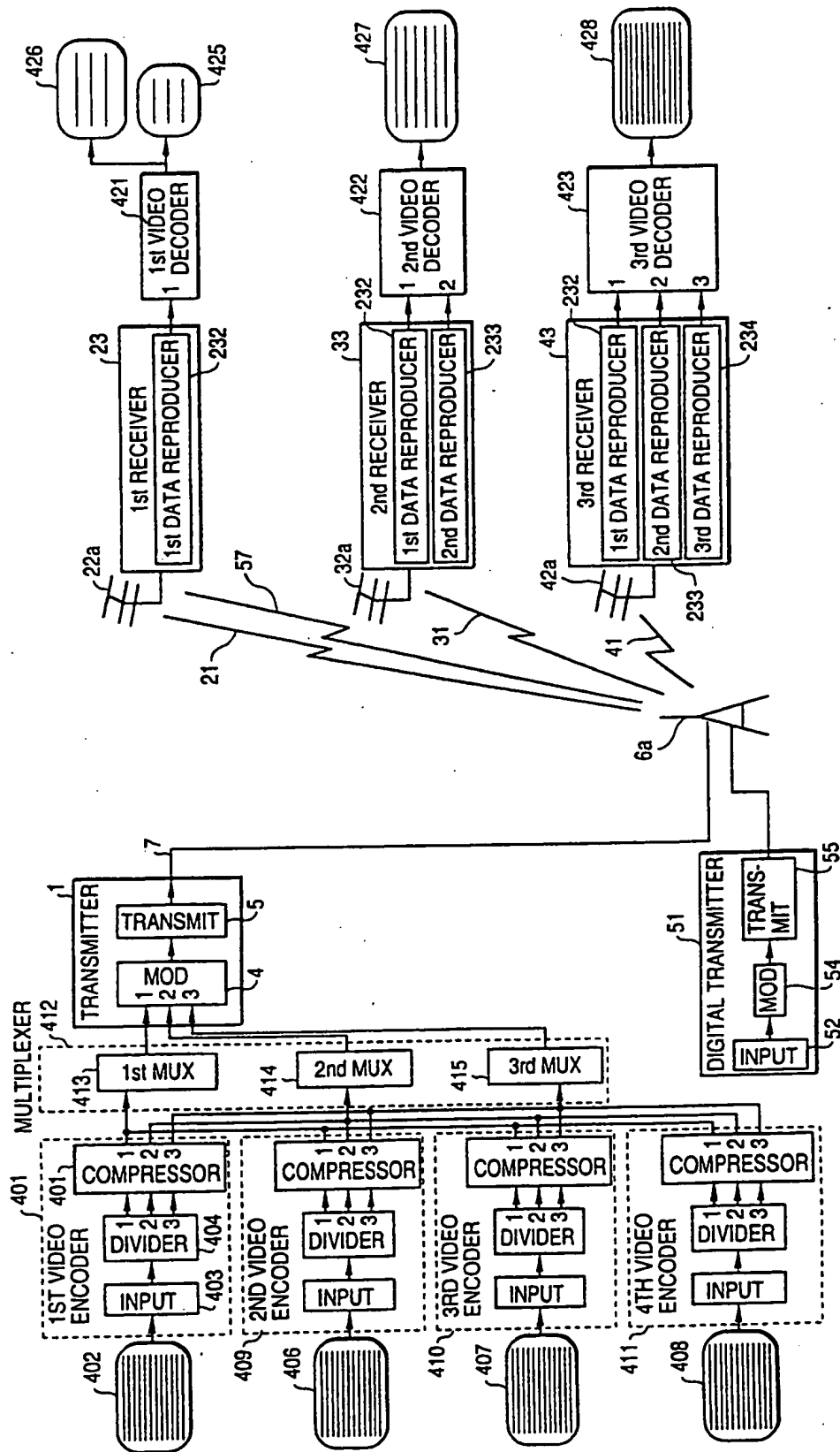


FIG. 39

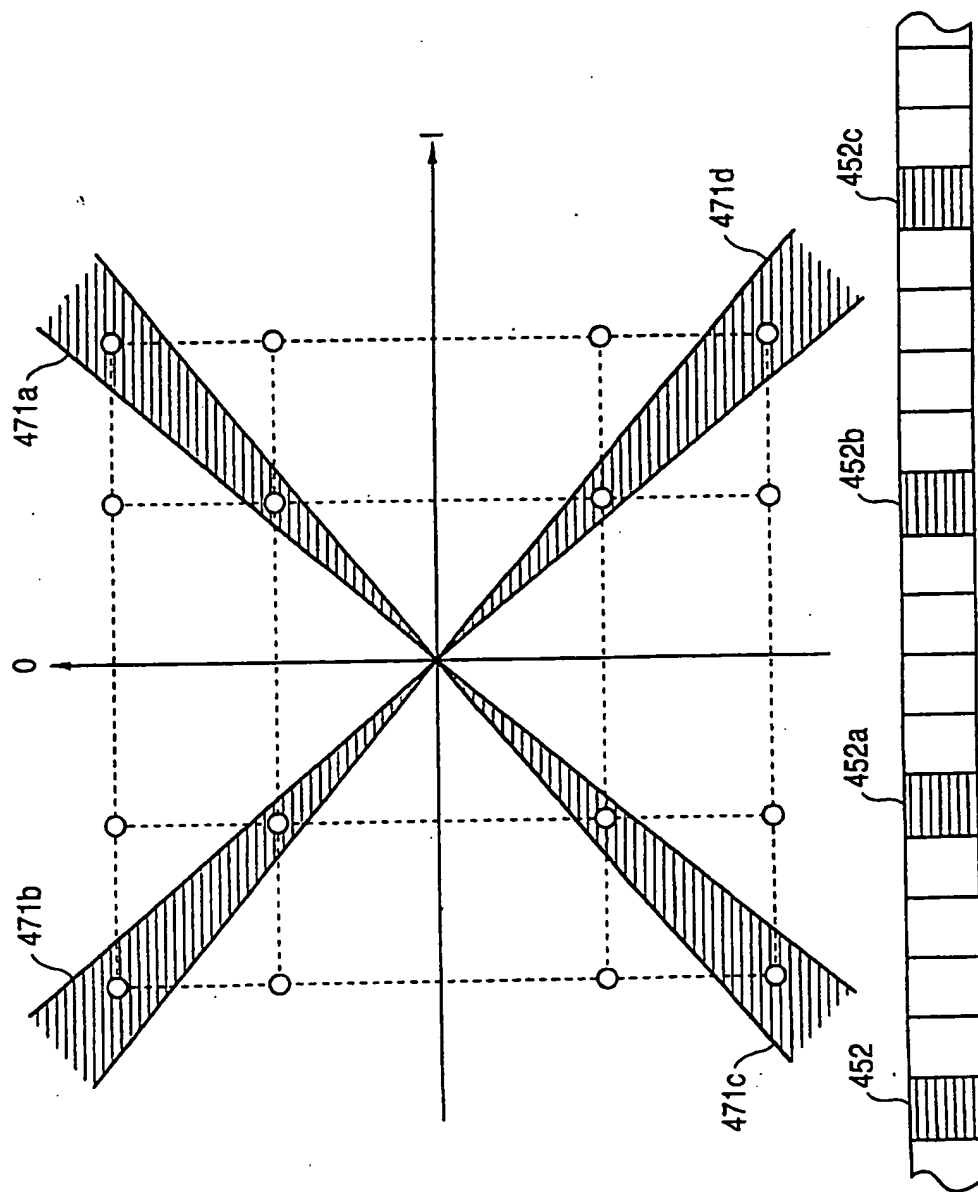


FIG. 40

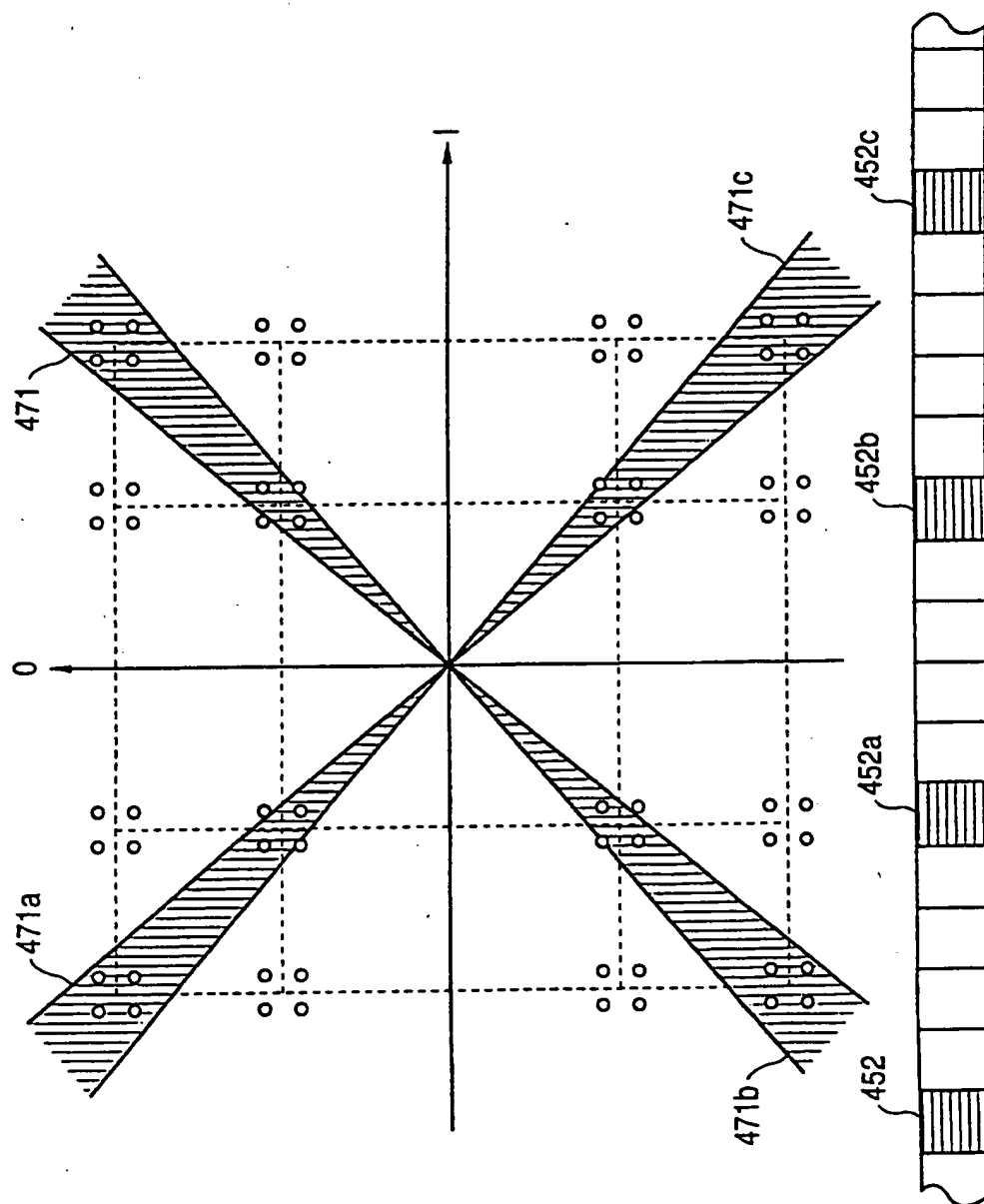
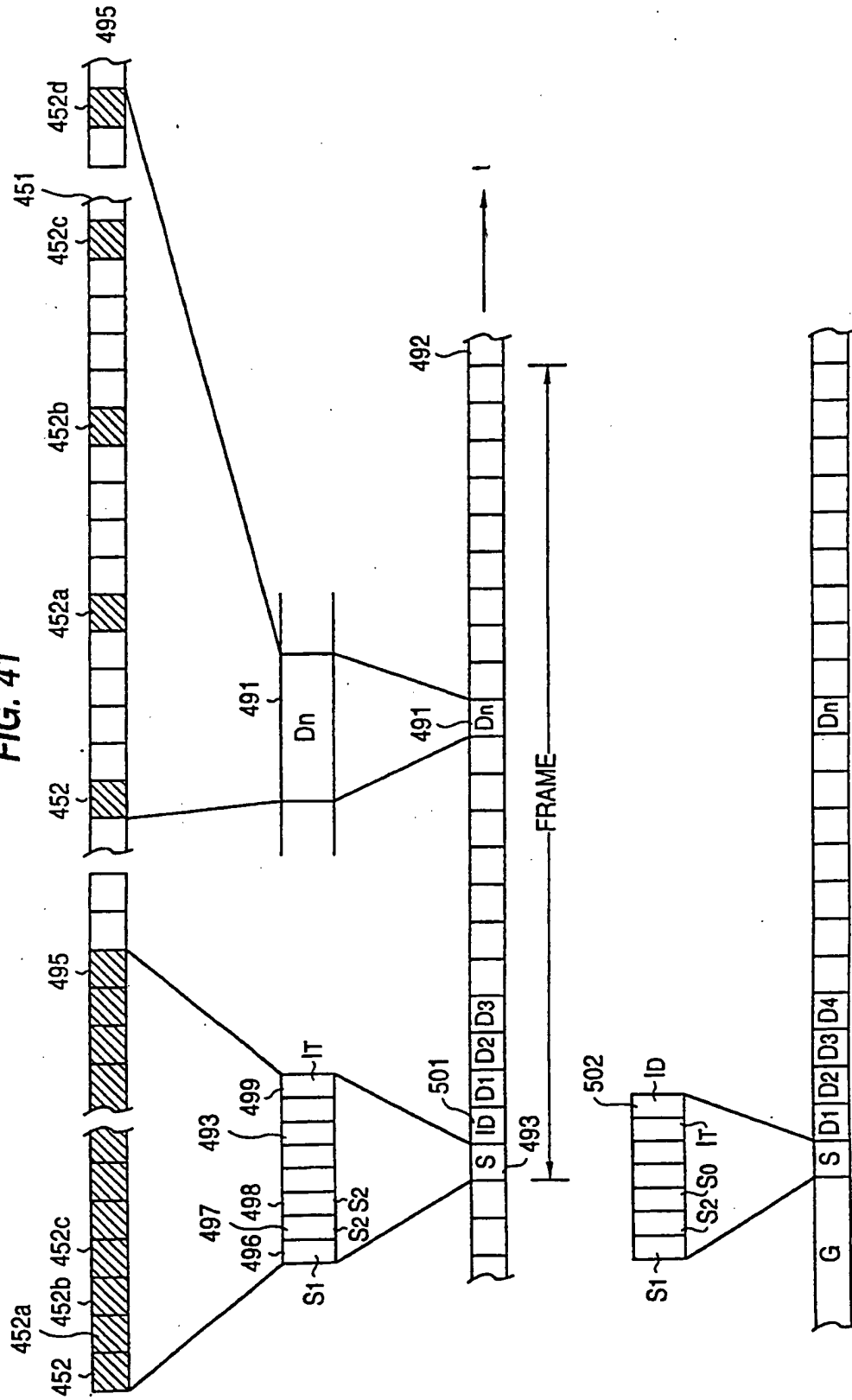


FIG. 41



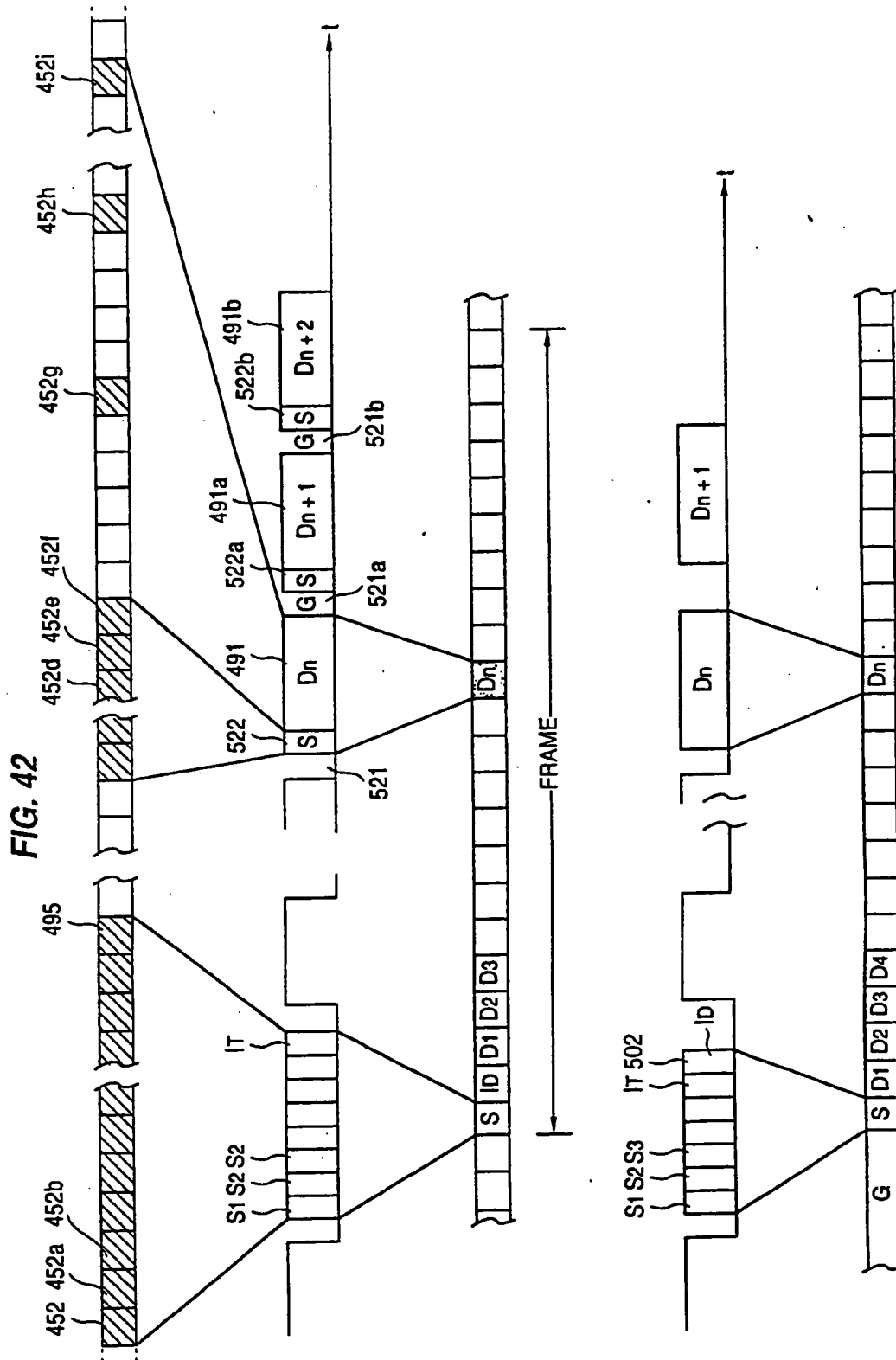


FIG. 43

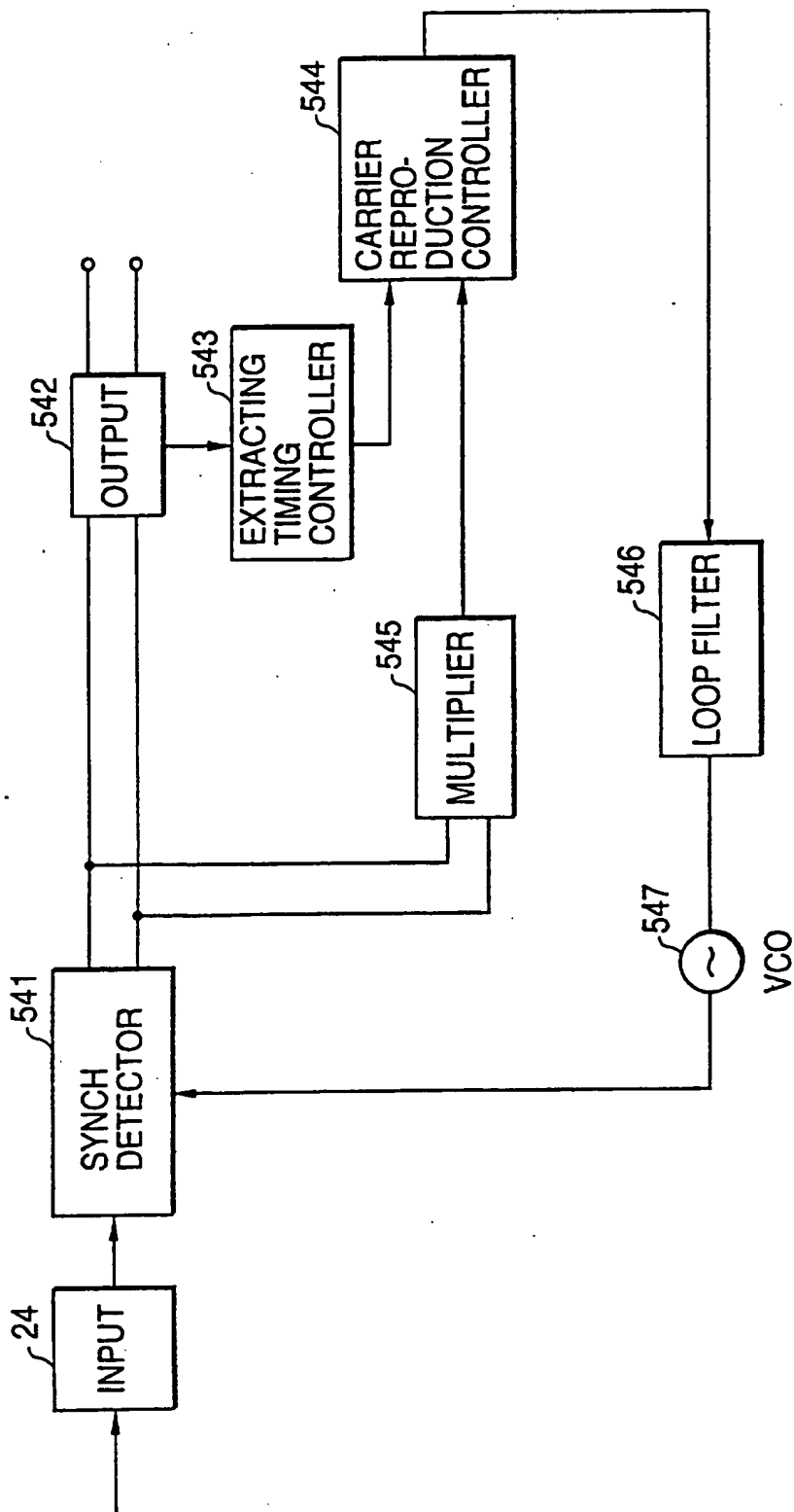


FIG. 44

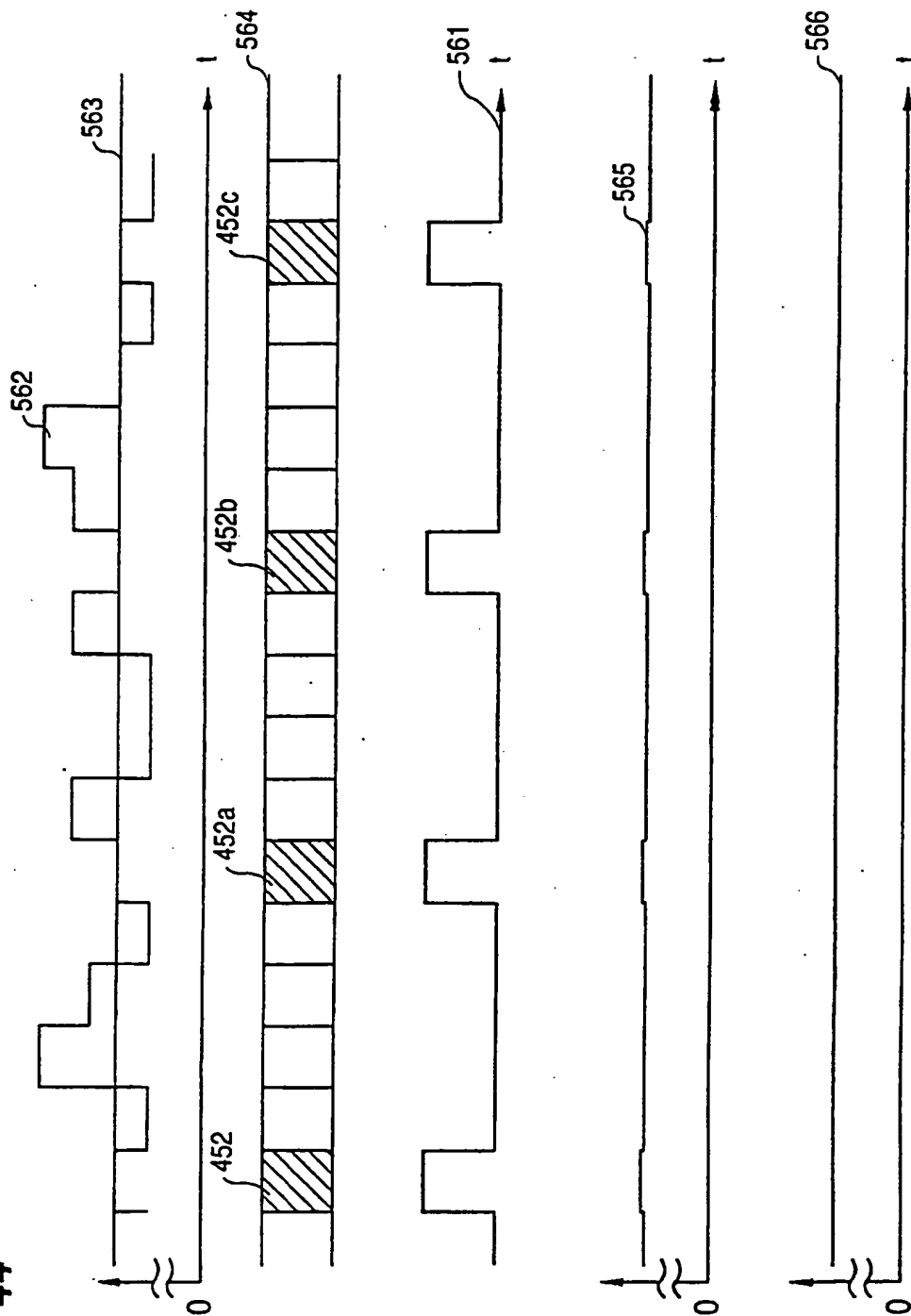


FIG. 45

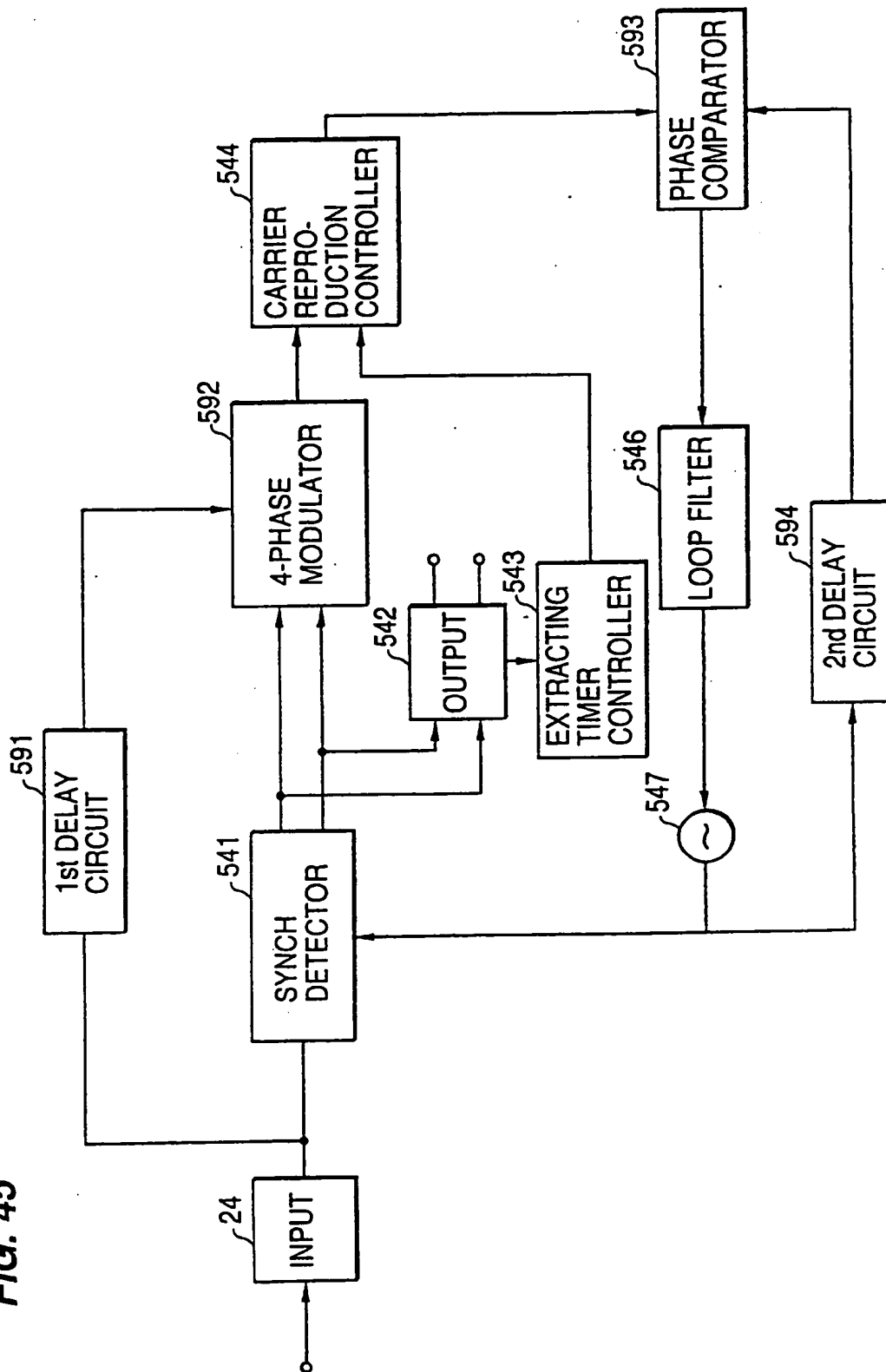


FIG. 46

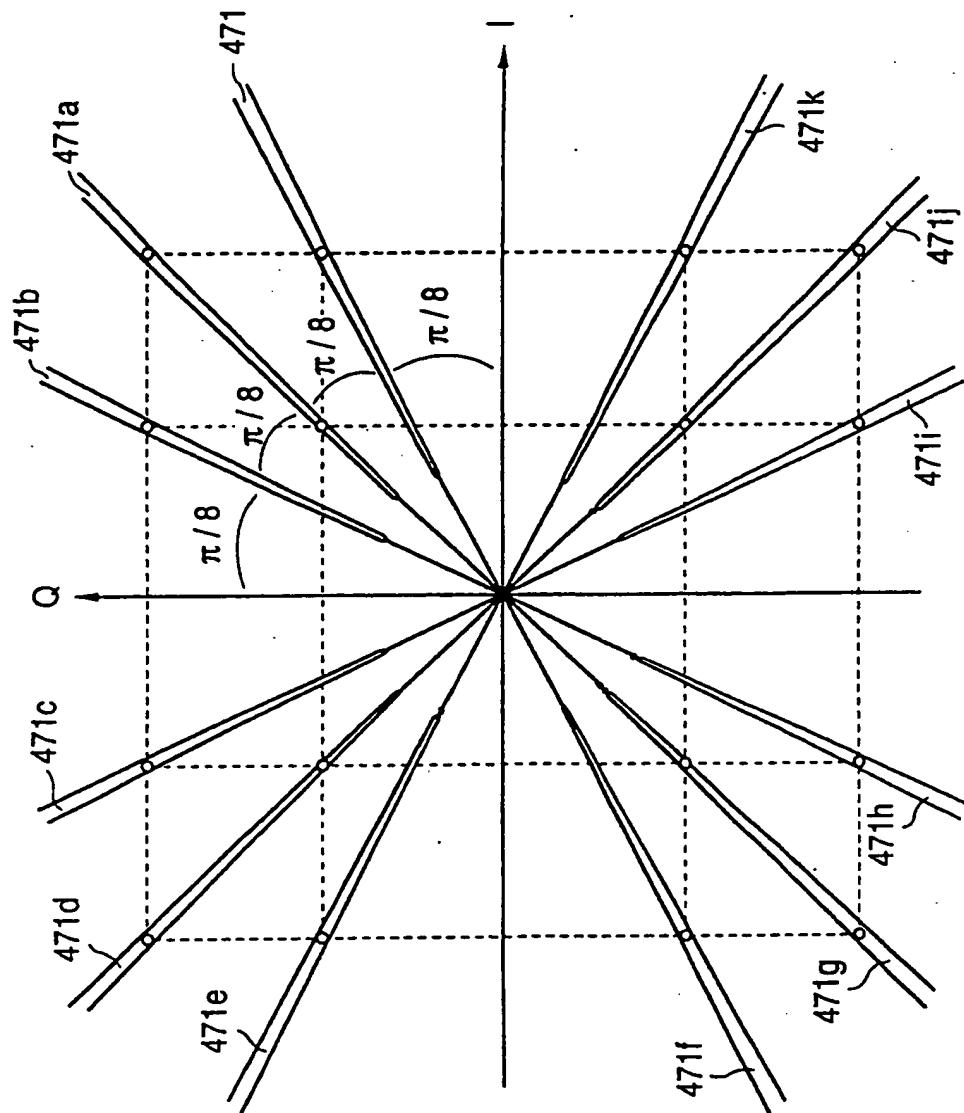


FIG. 47

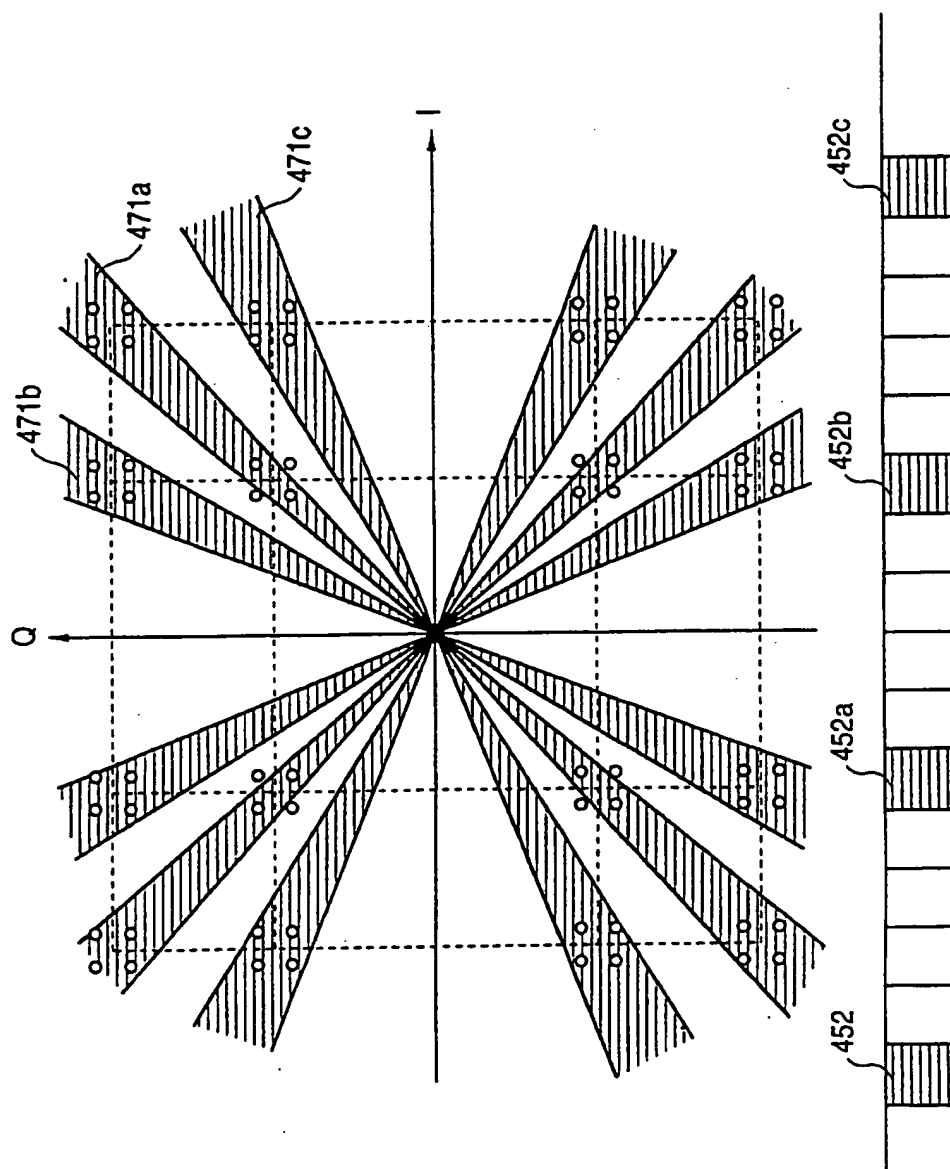


FIG. 48

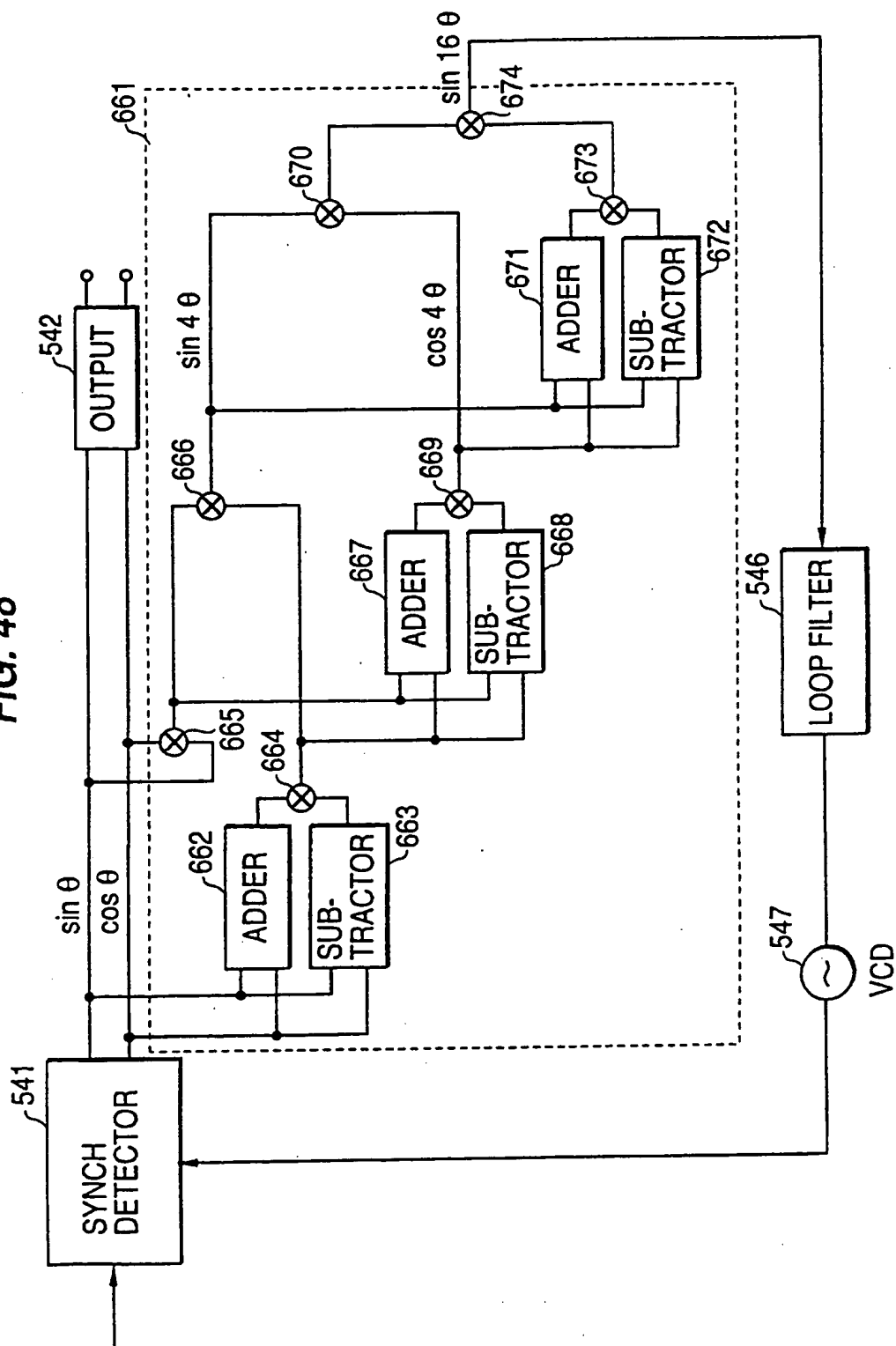


FIG. 49

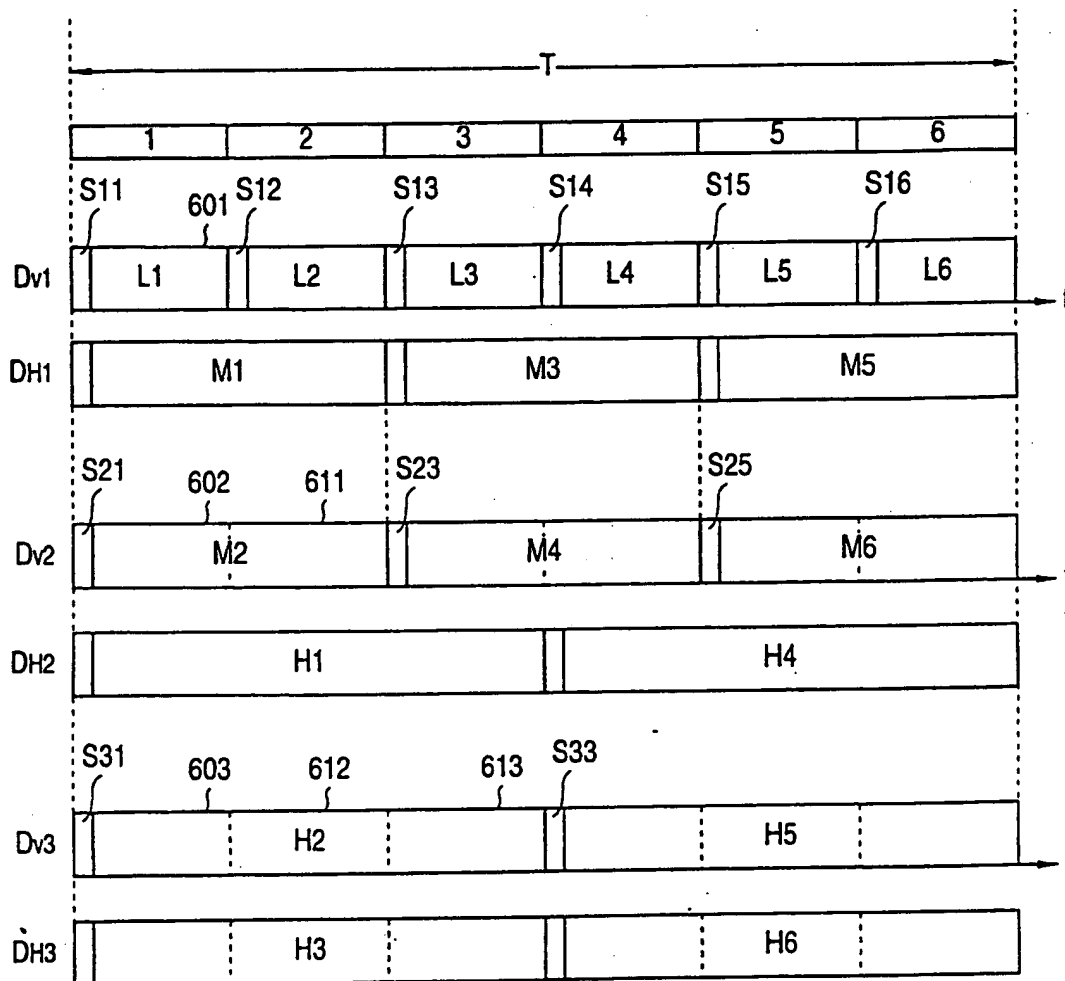


FIG. 51

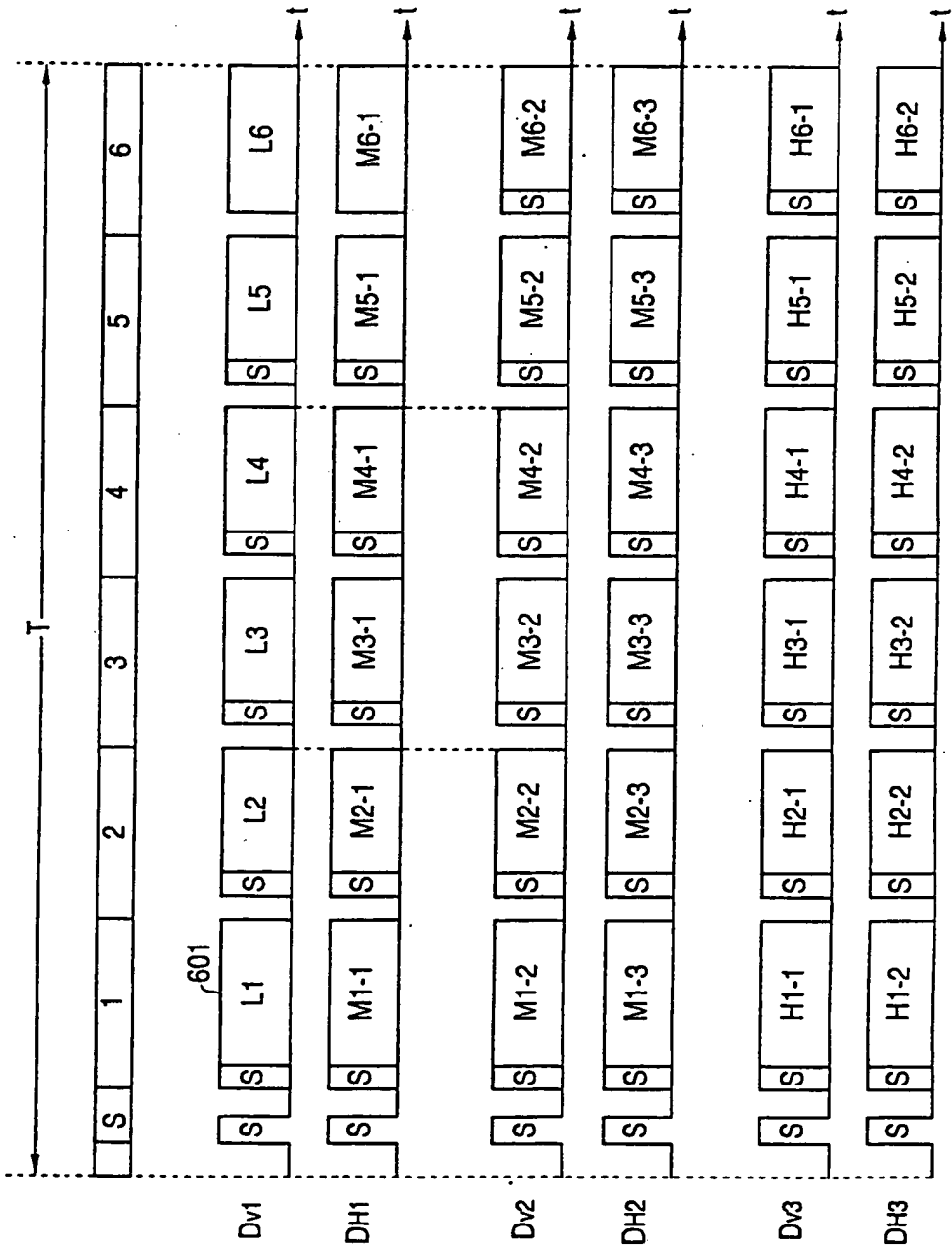


FIG. 52

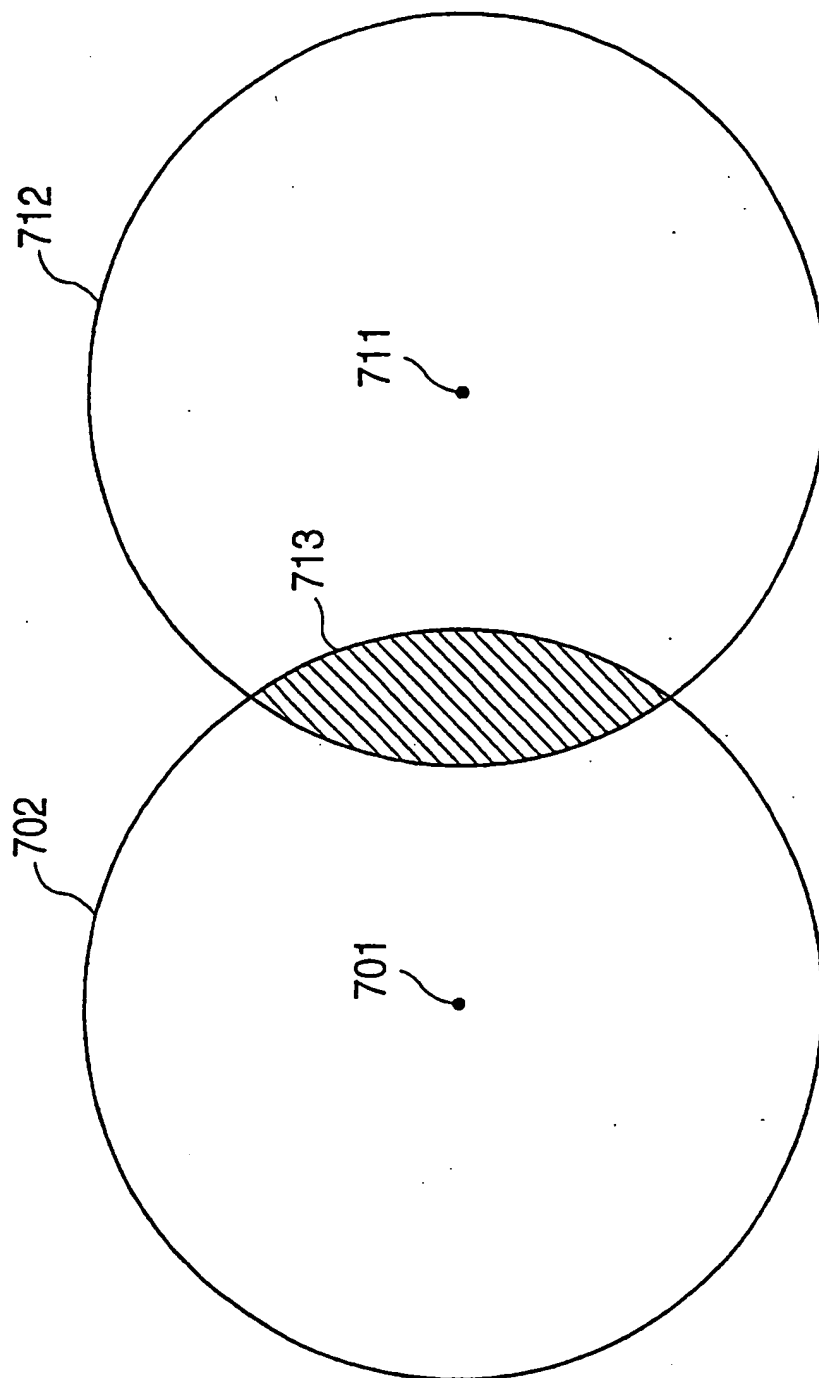


FIG. 53

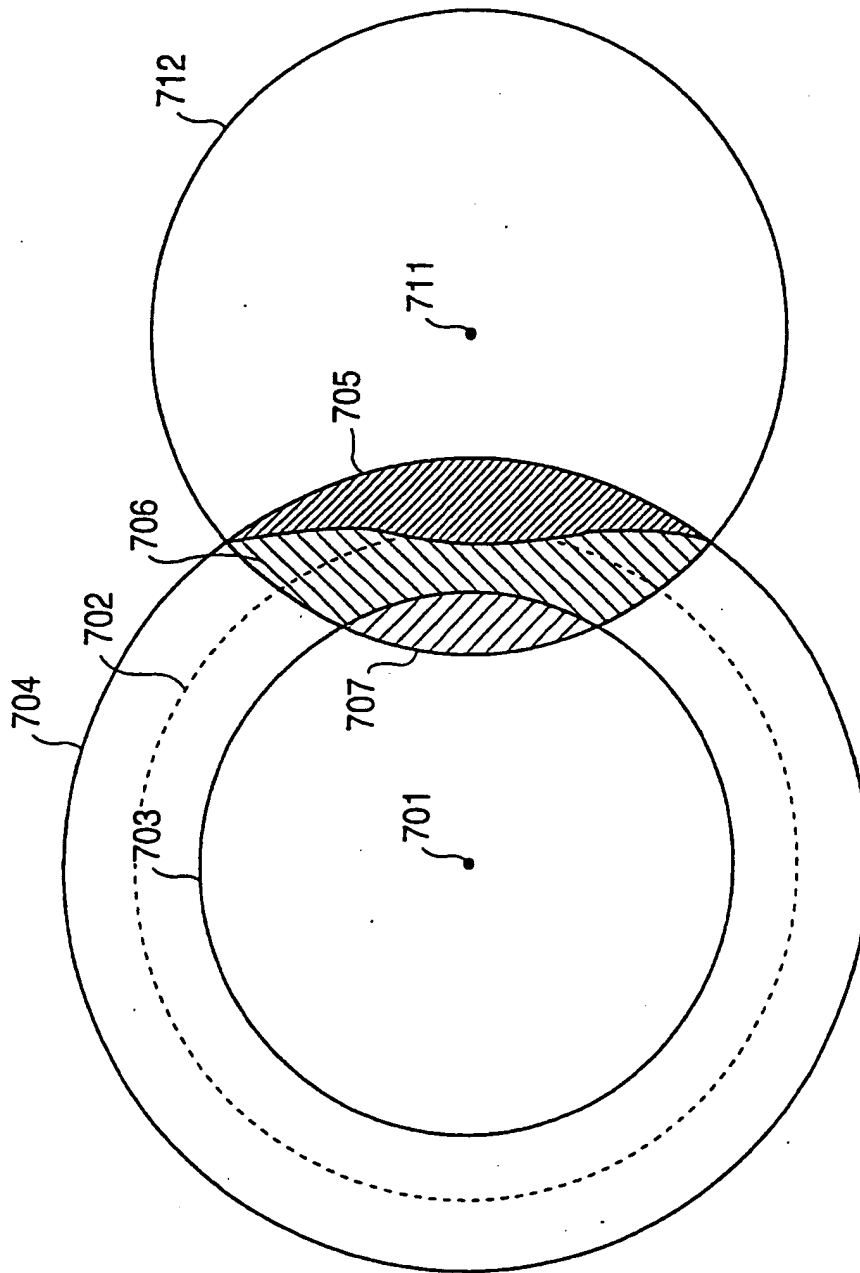


FIG. 54

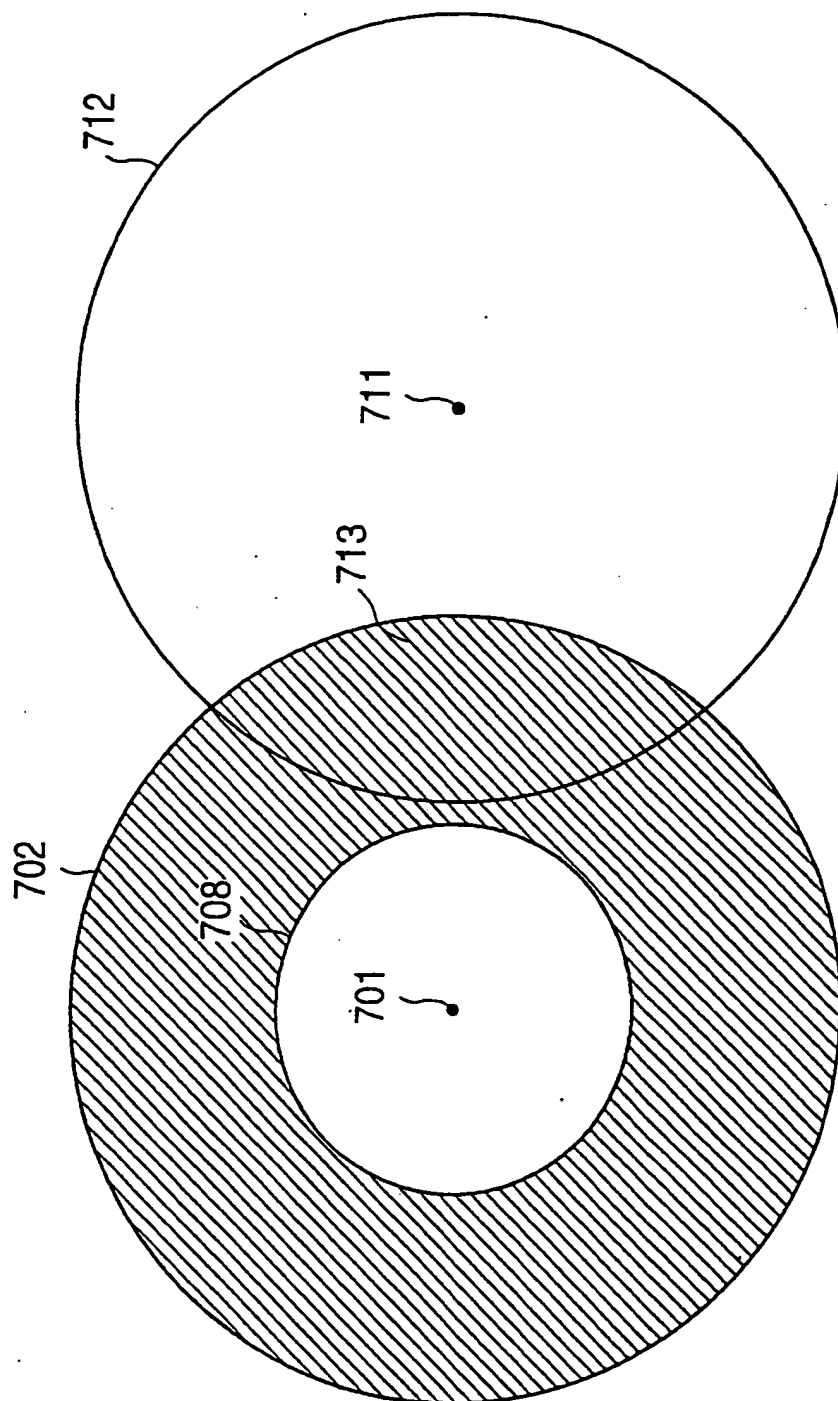


FIG. 55

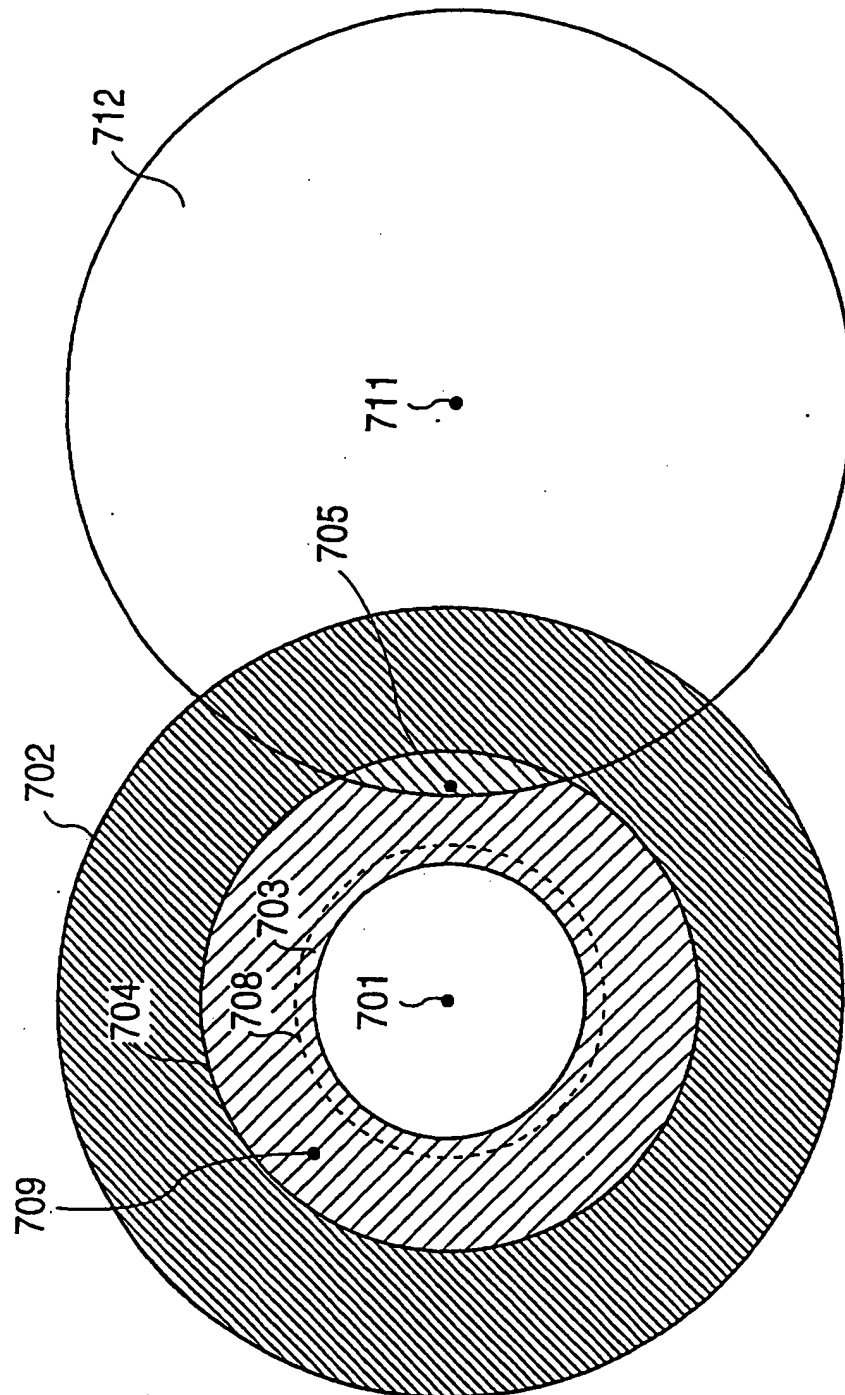


FIG. 56

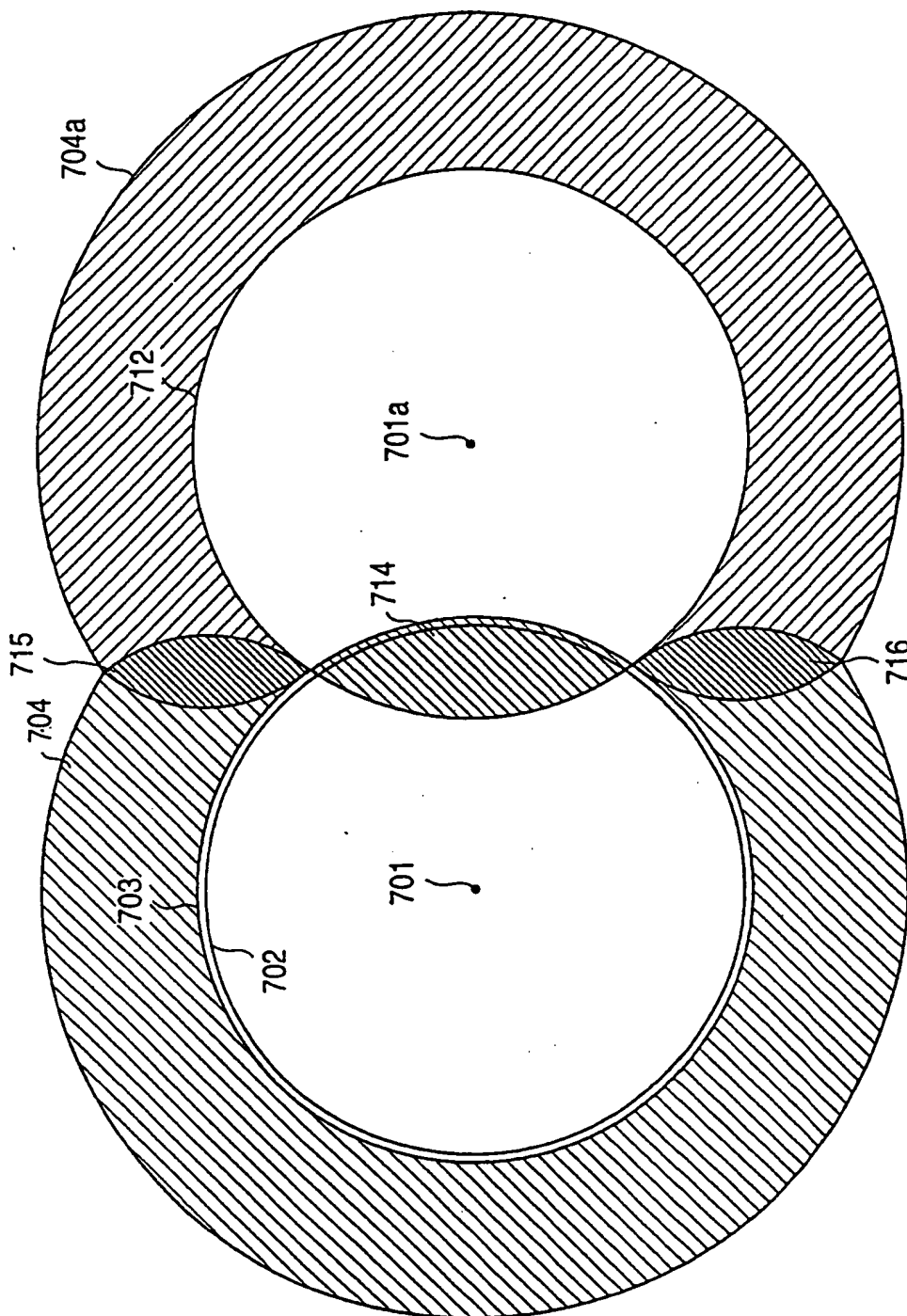


FIG. 57

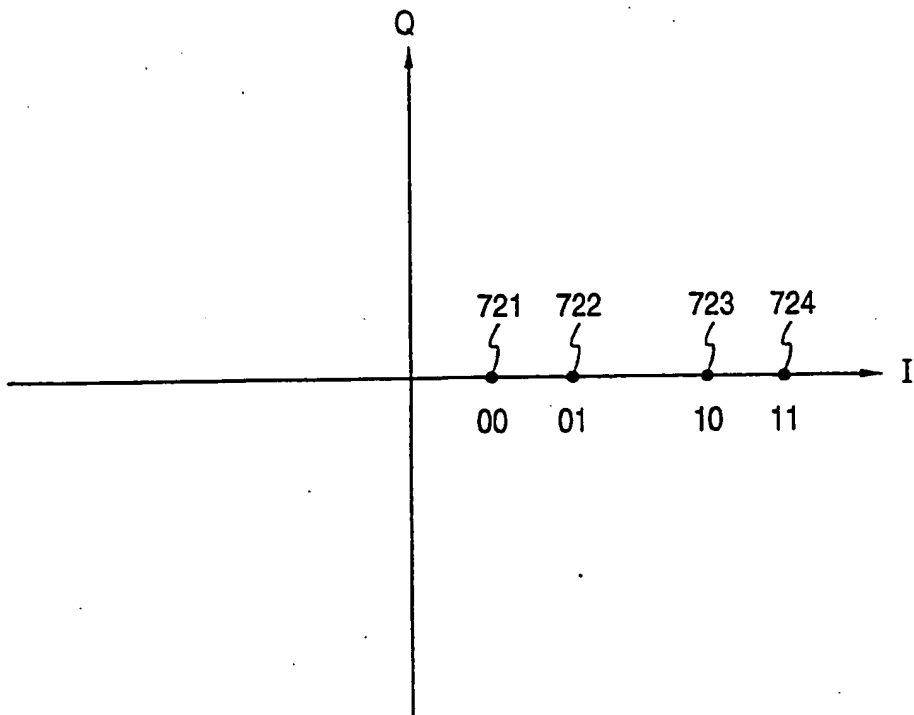


FIG. 58

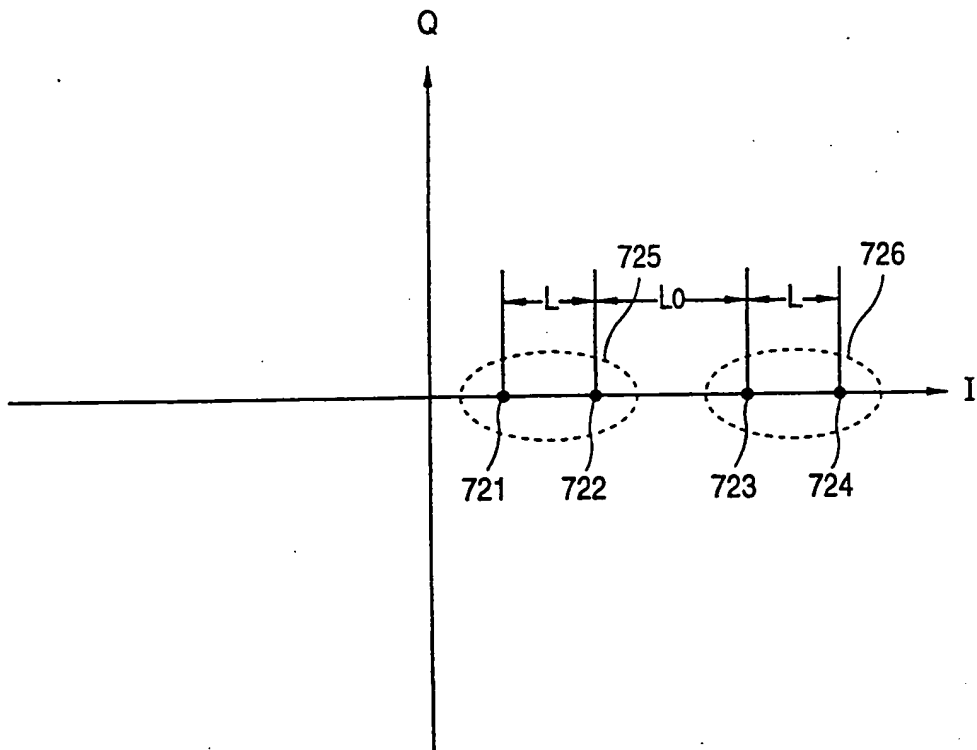


FIG. 59(a)

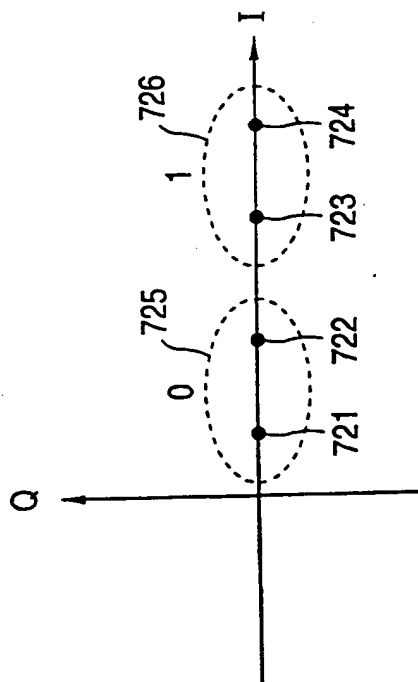


FIG. 59(b)

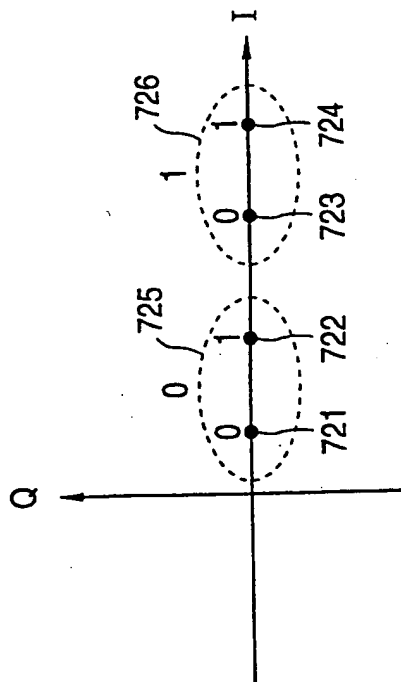


FIG. 59(c)

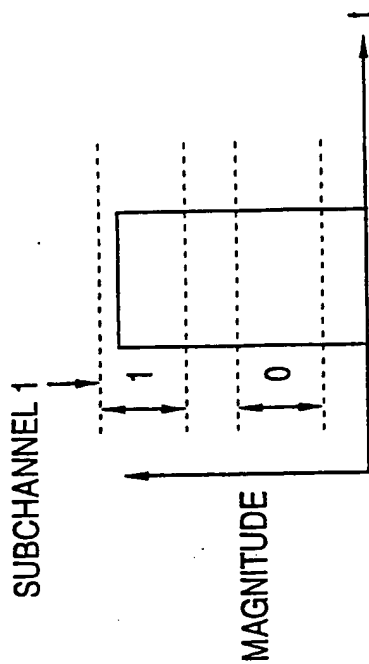


FIG. 59(d)

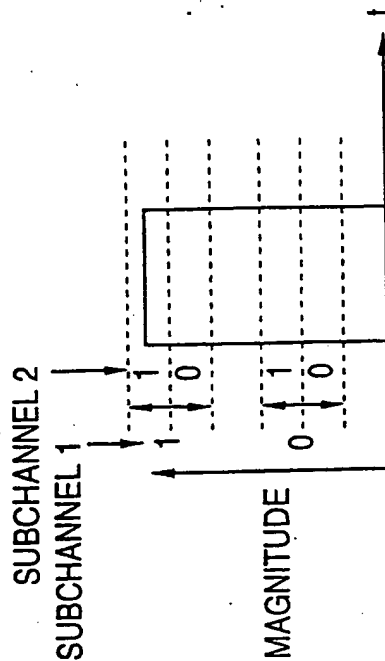


FIG. 60

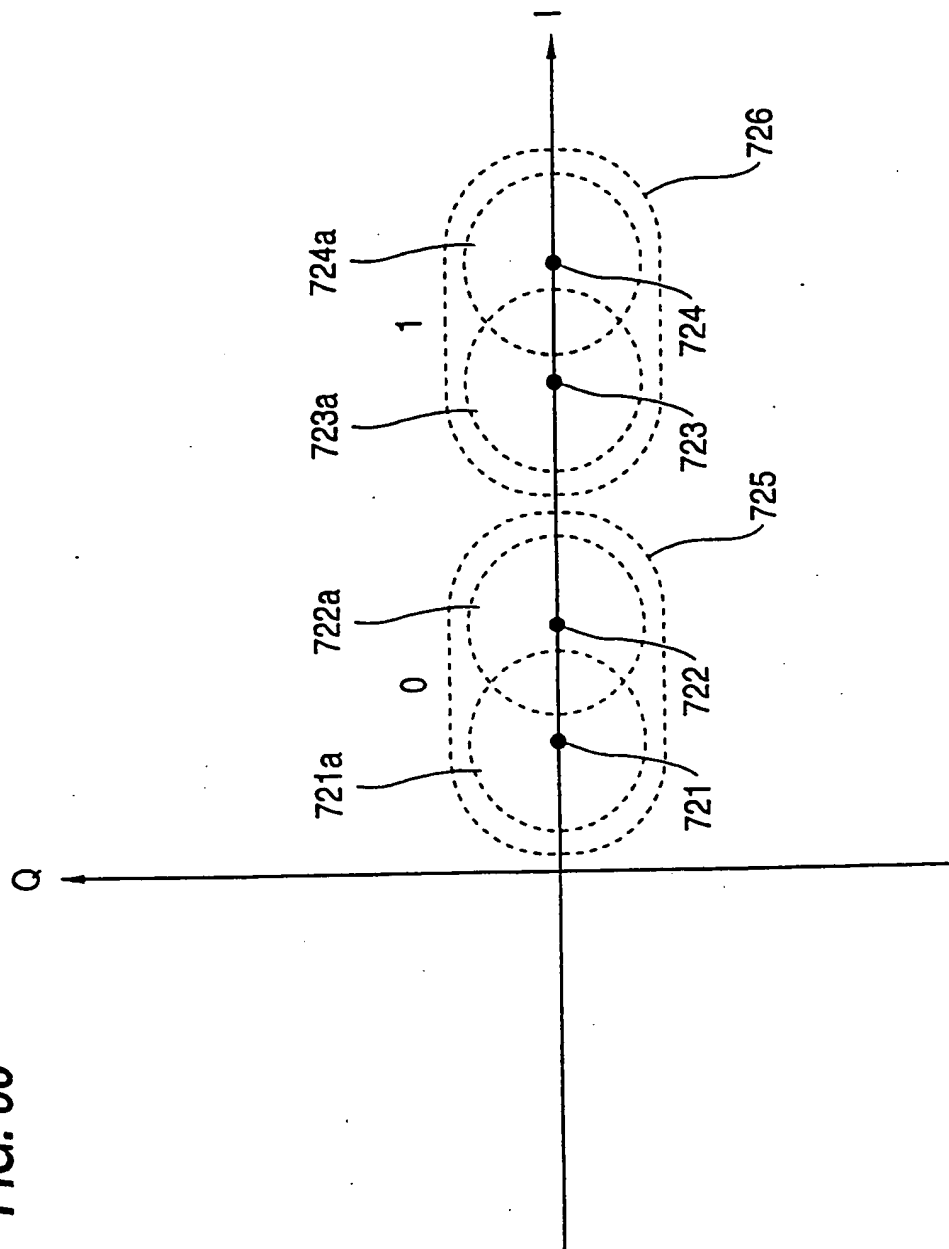


FIG. 61

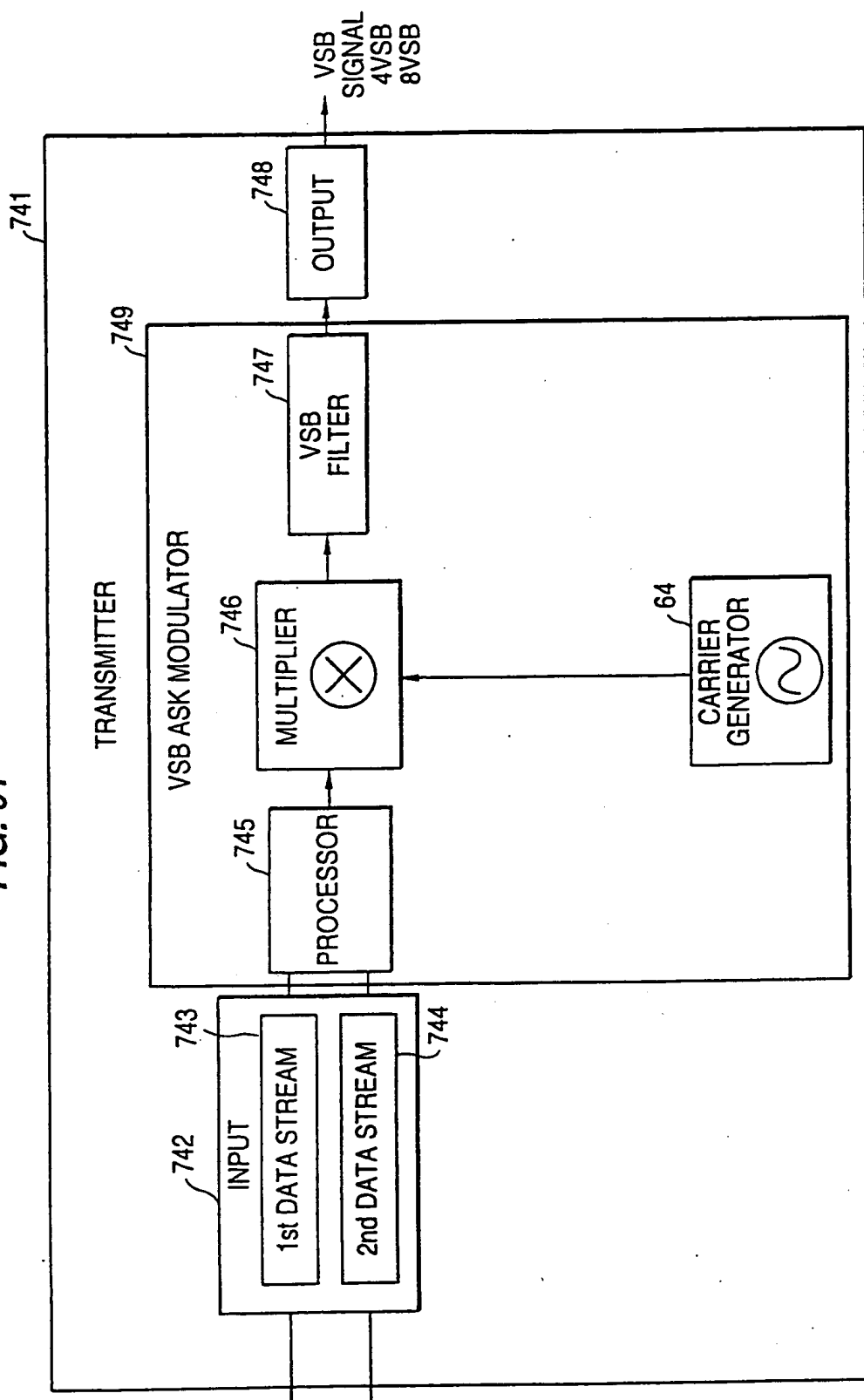


FIG. 62(a)

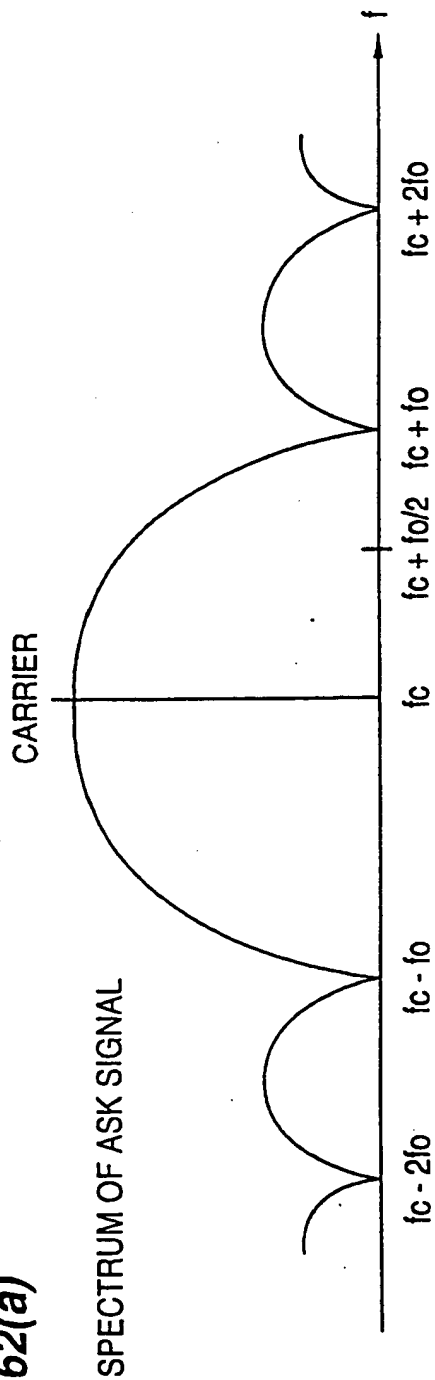


FIG. 62(b)

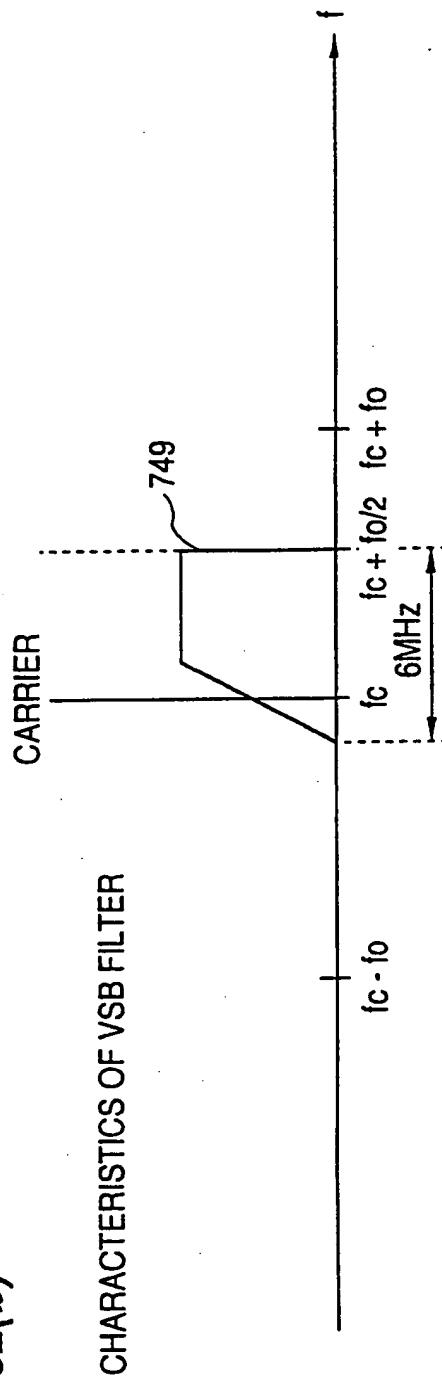


FIG. 63

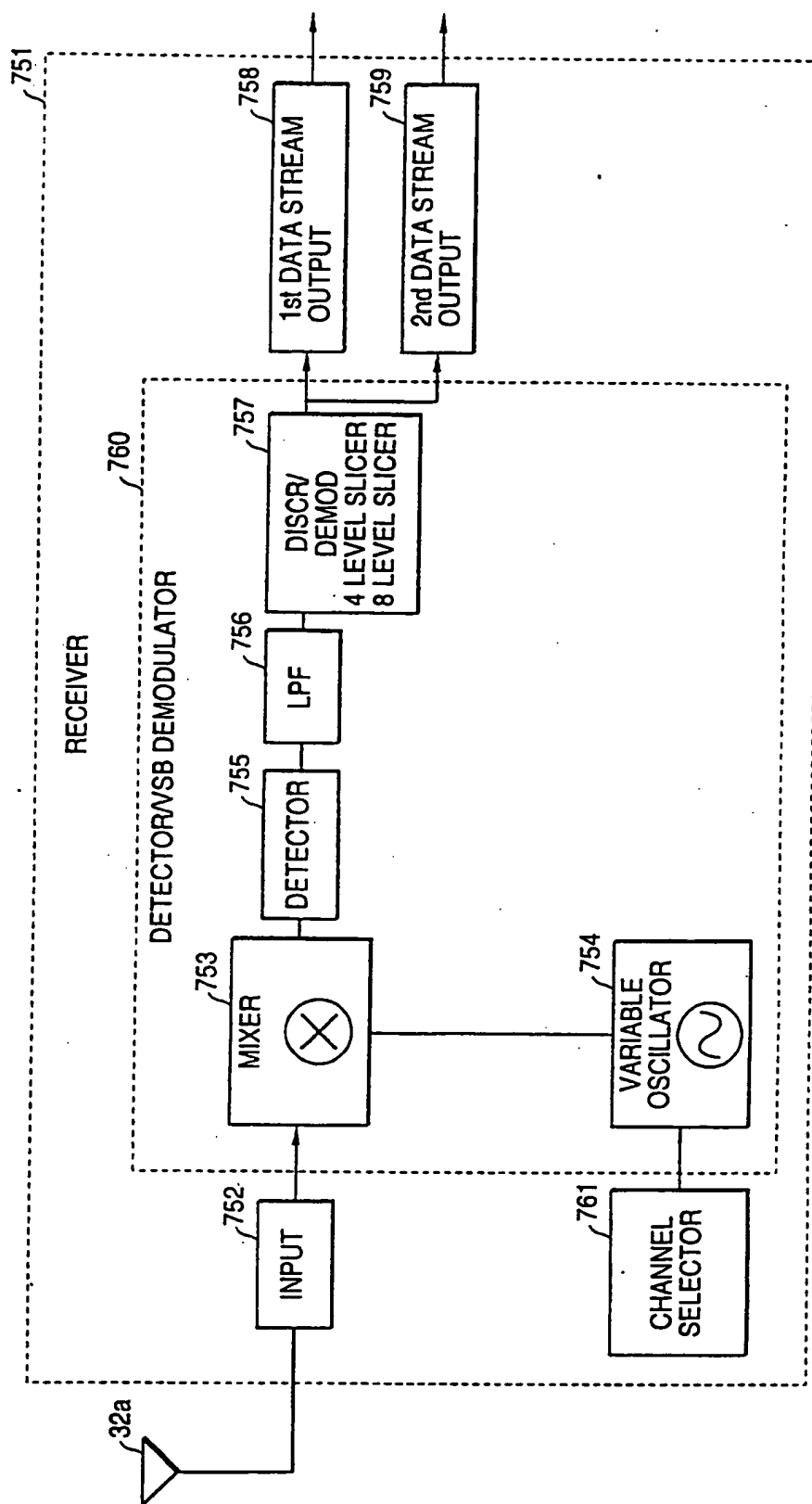


FIG. 64

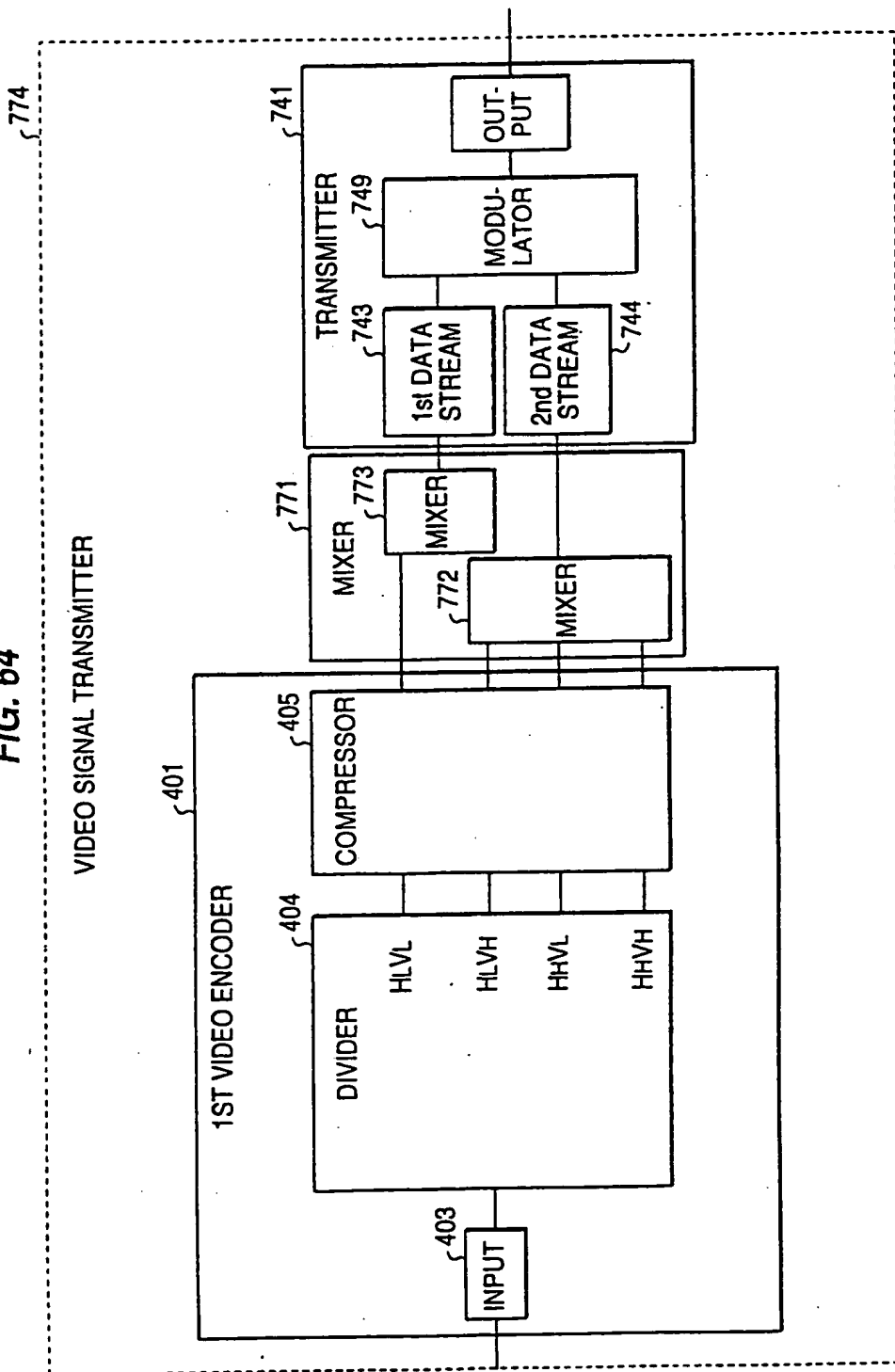


FIG. 65

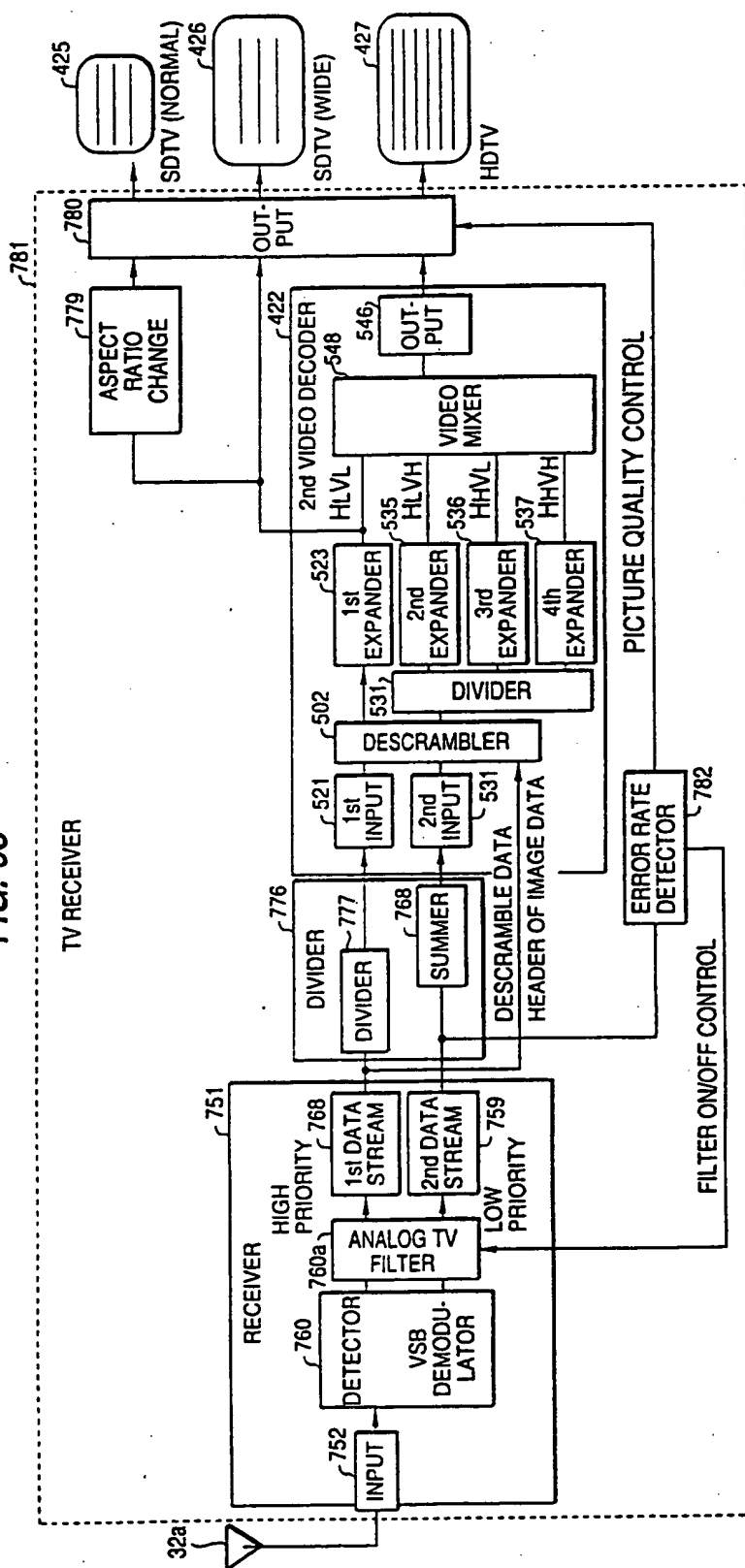
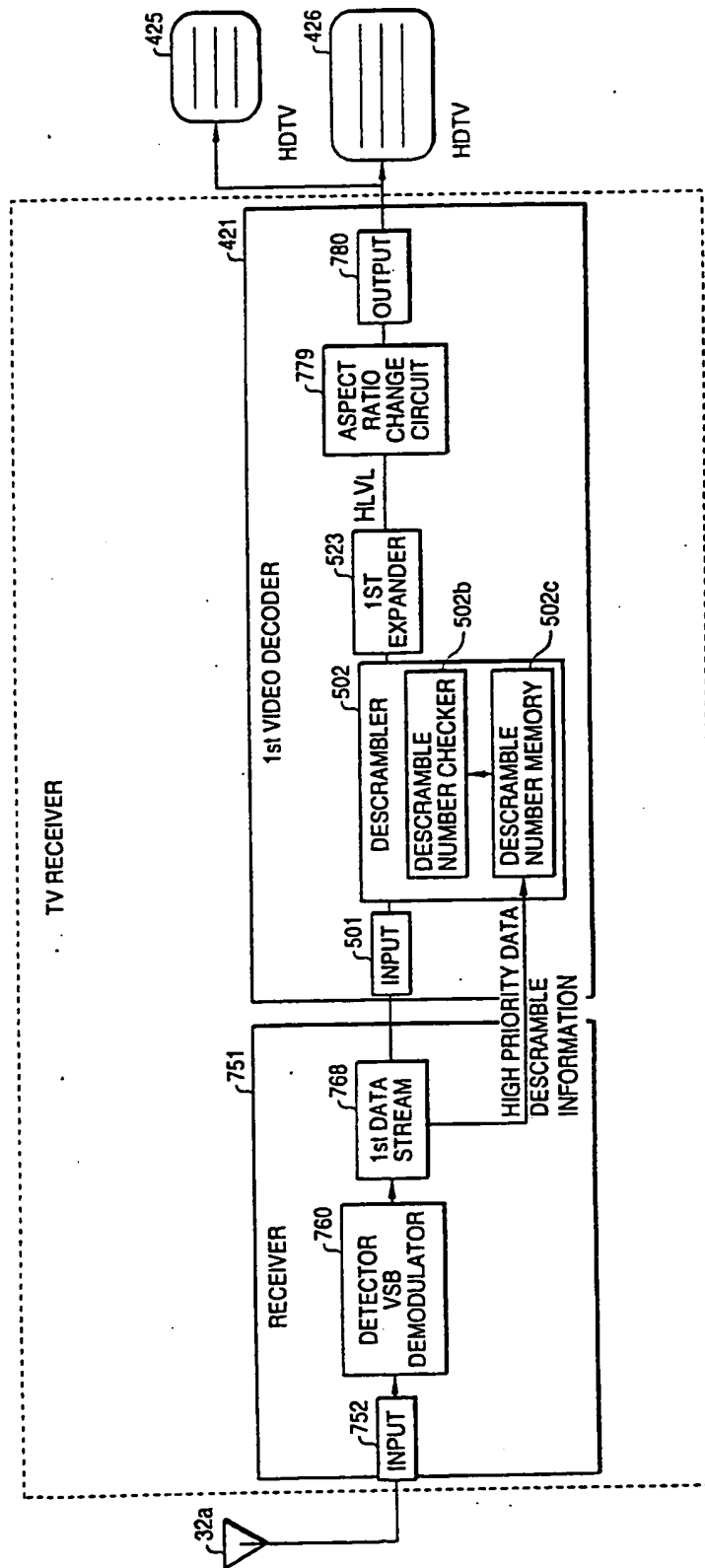


FIG. 66



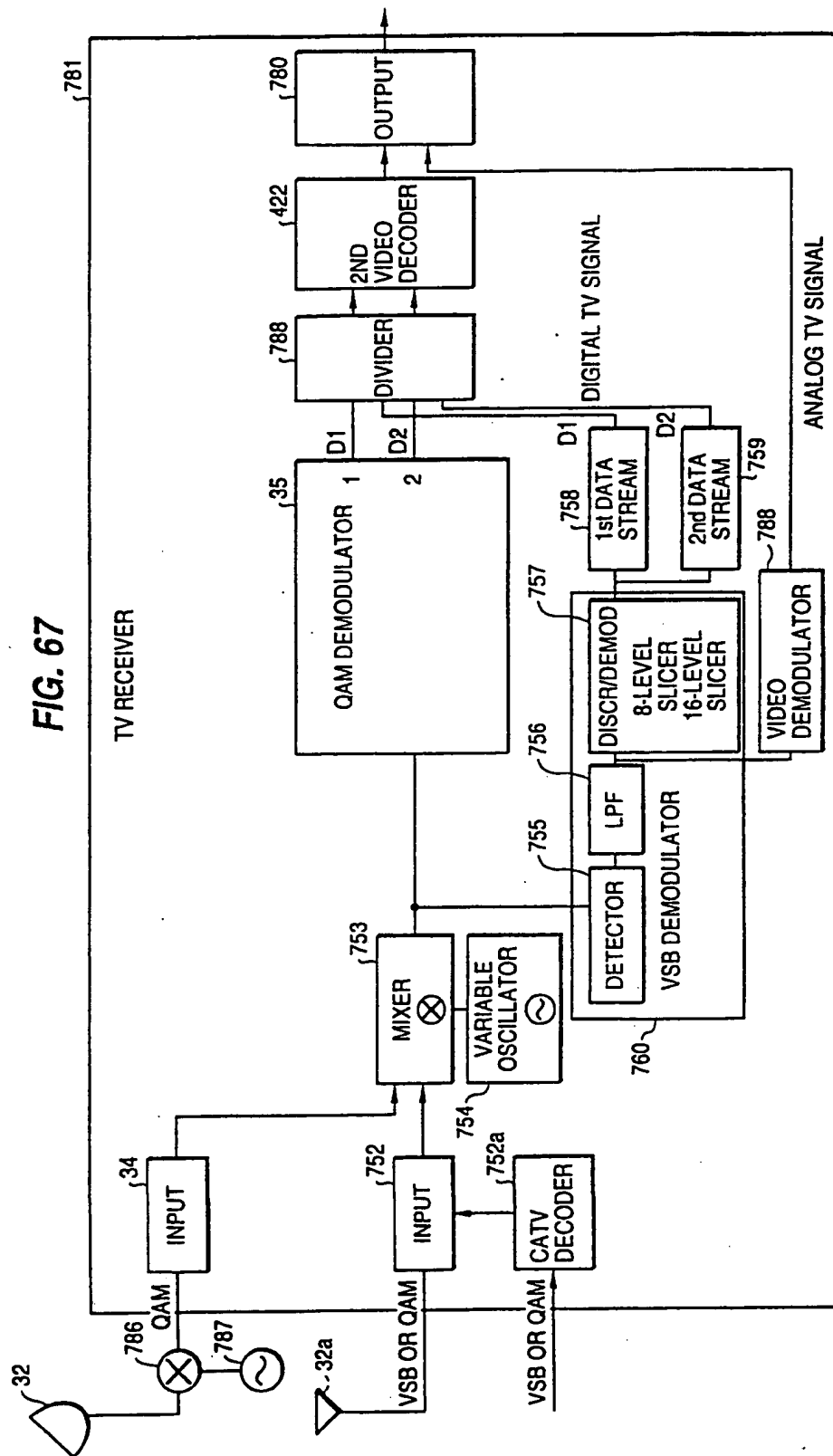


FIG. 68(a)

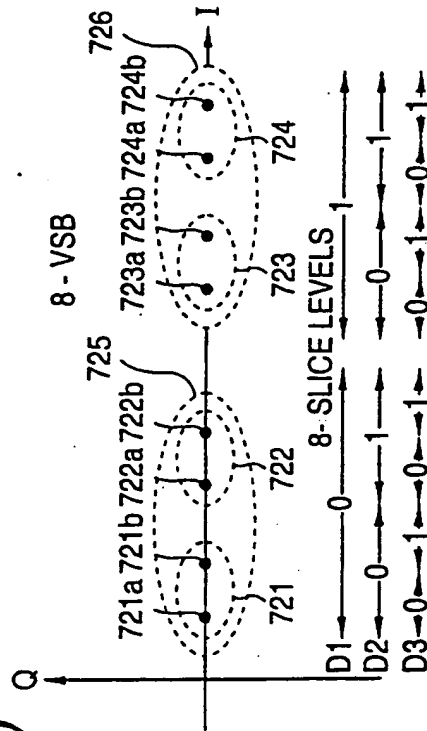


FIG. 68(b)

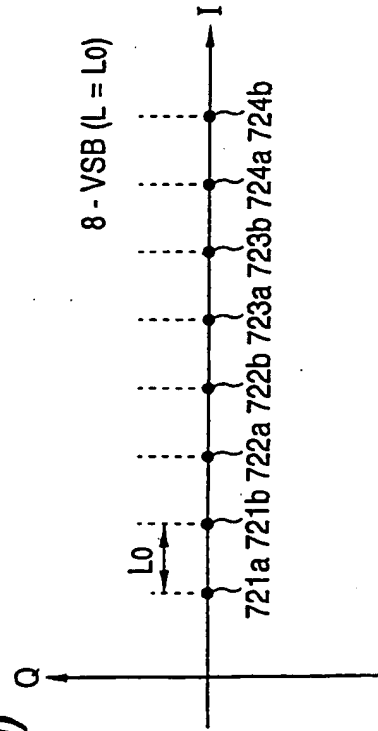


FIG. 68(c)

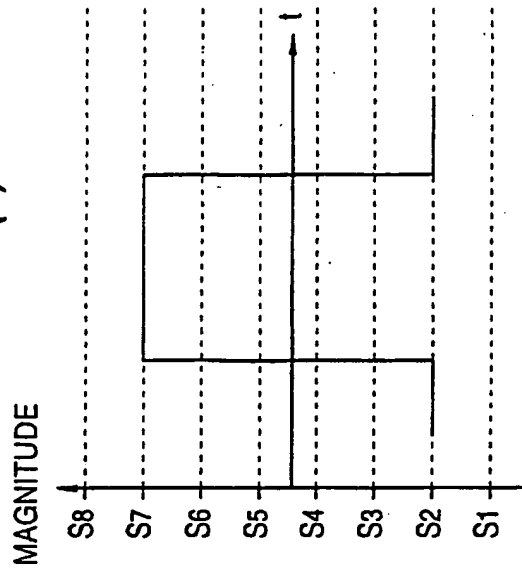


FIG. 69

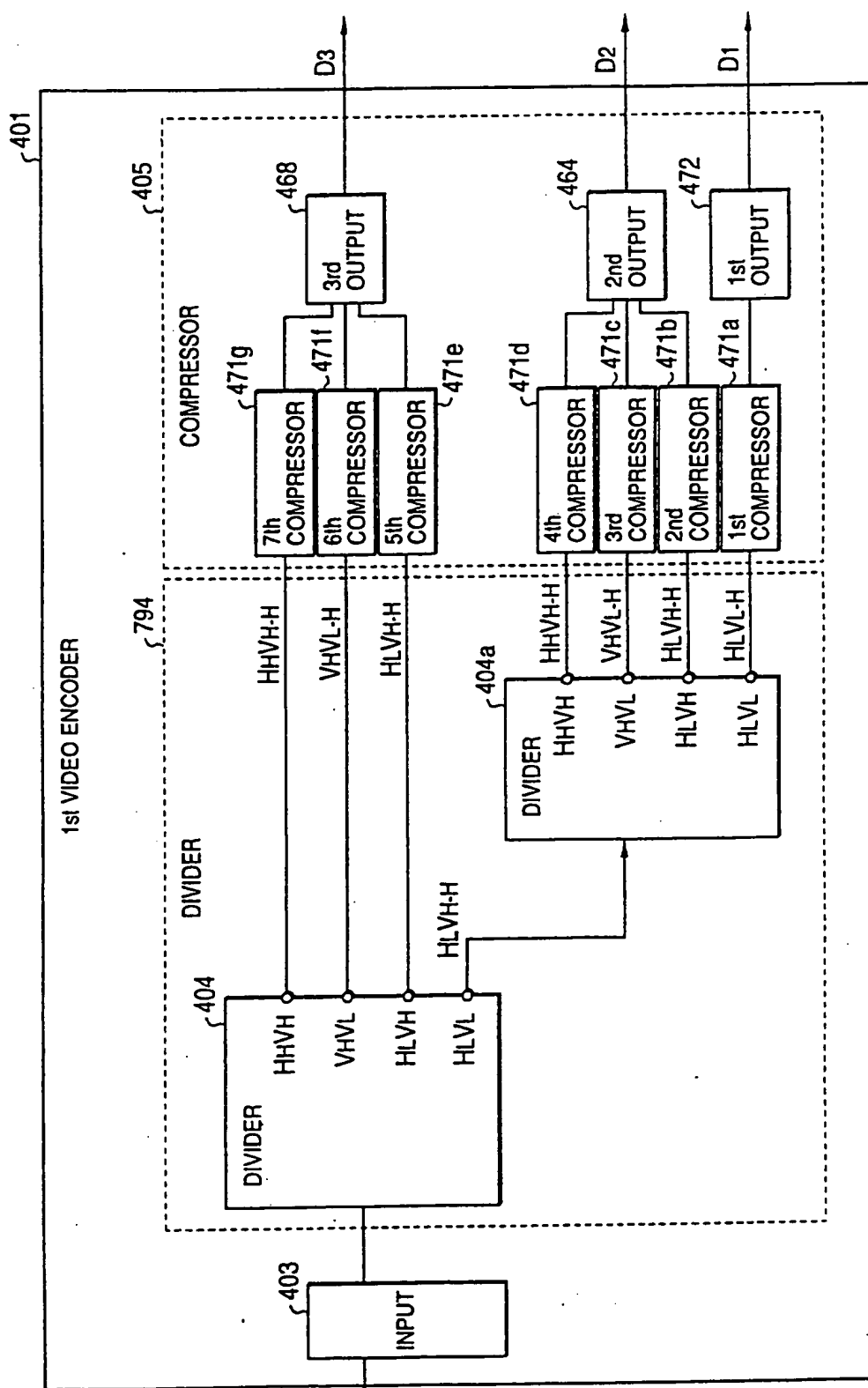


FIG. 70

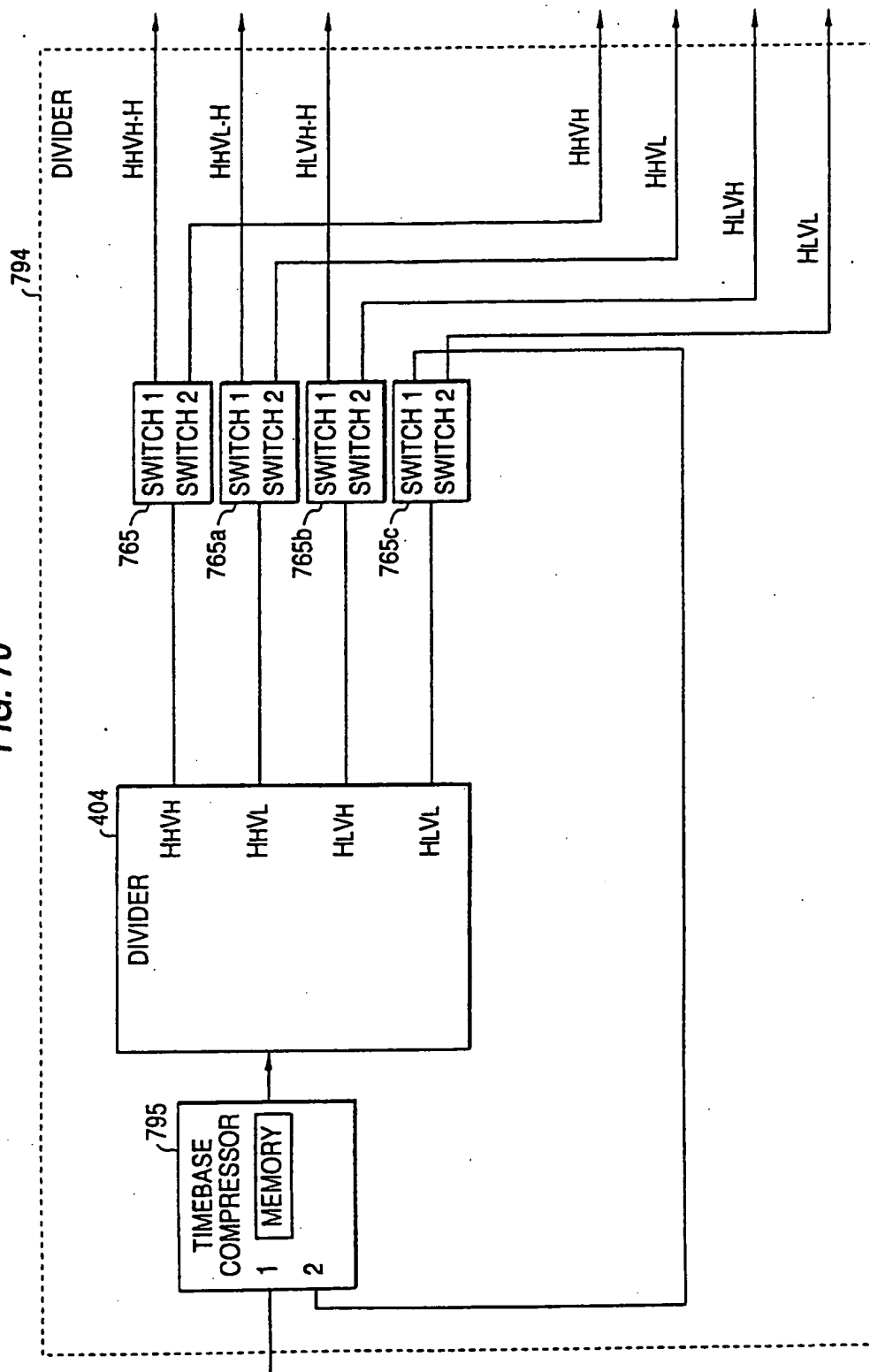


FIG. 71

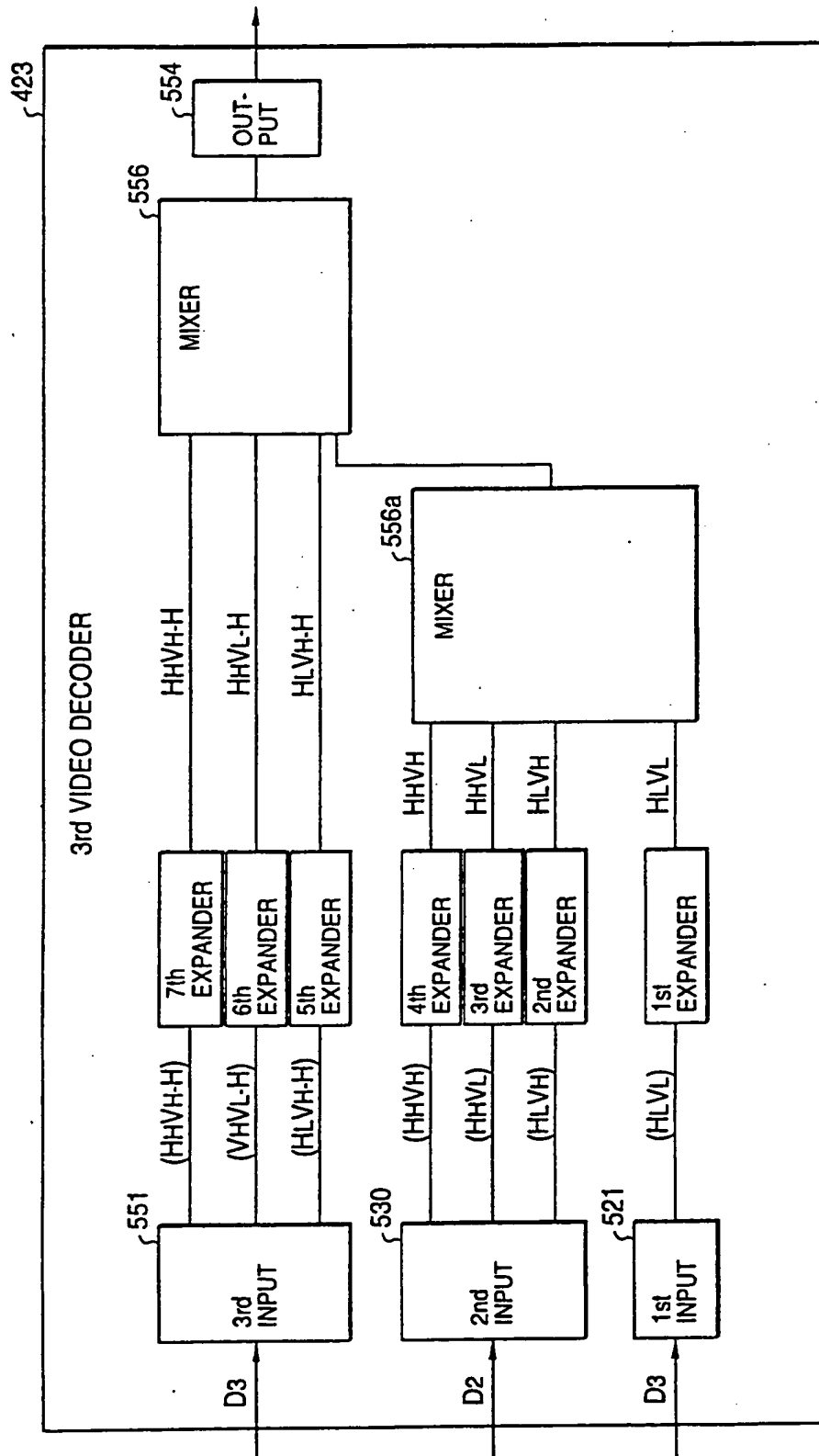


FIG. 72

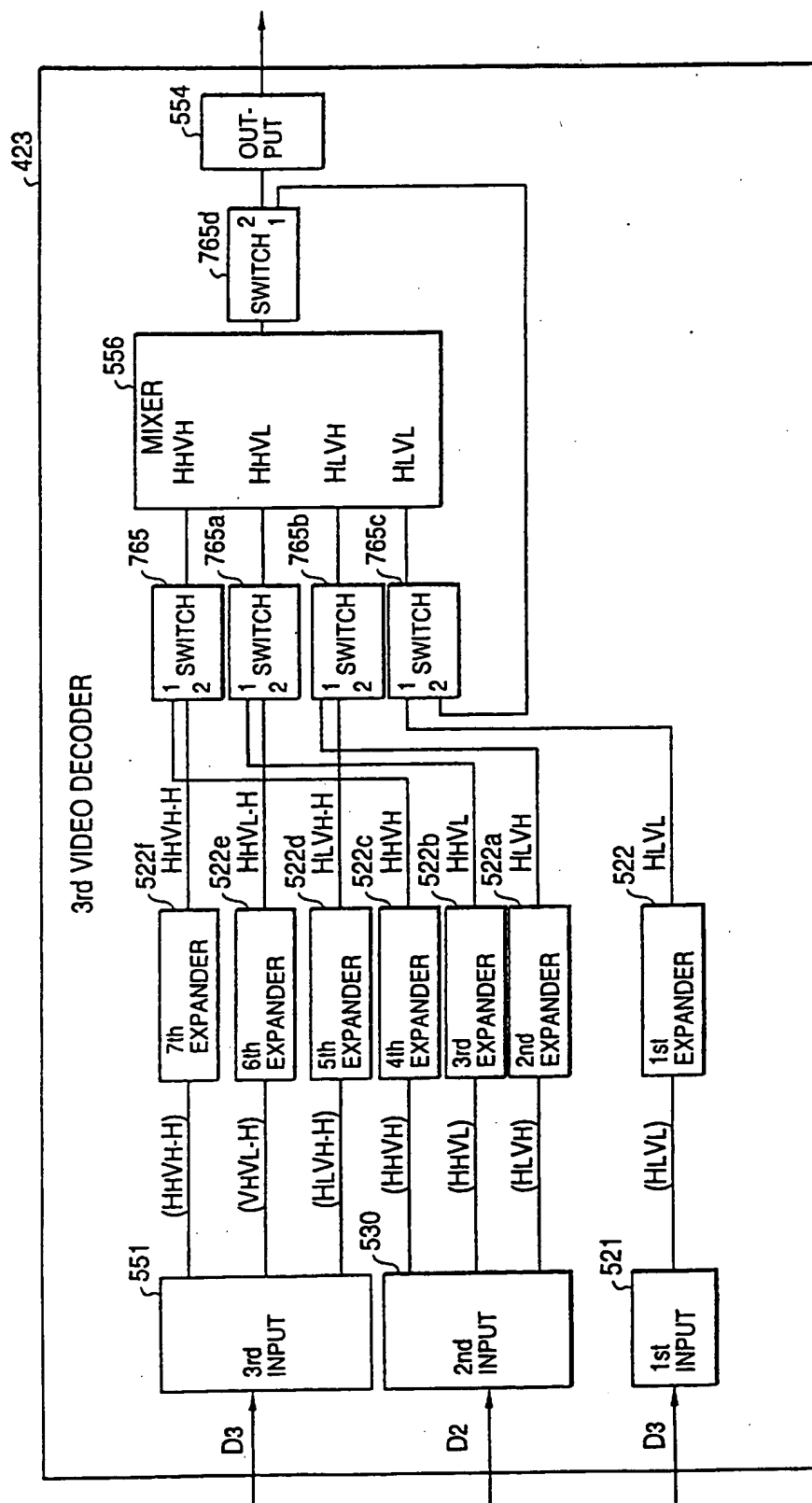


FIG. 73

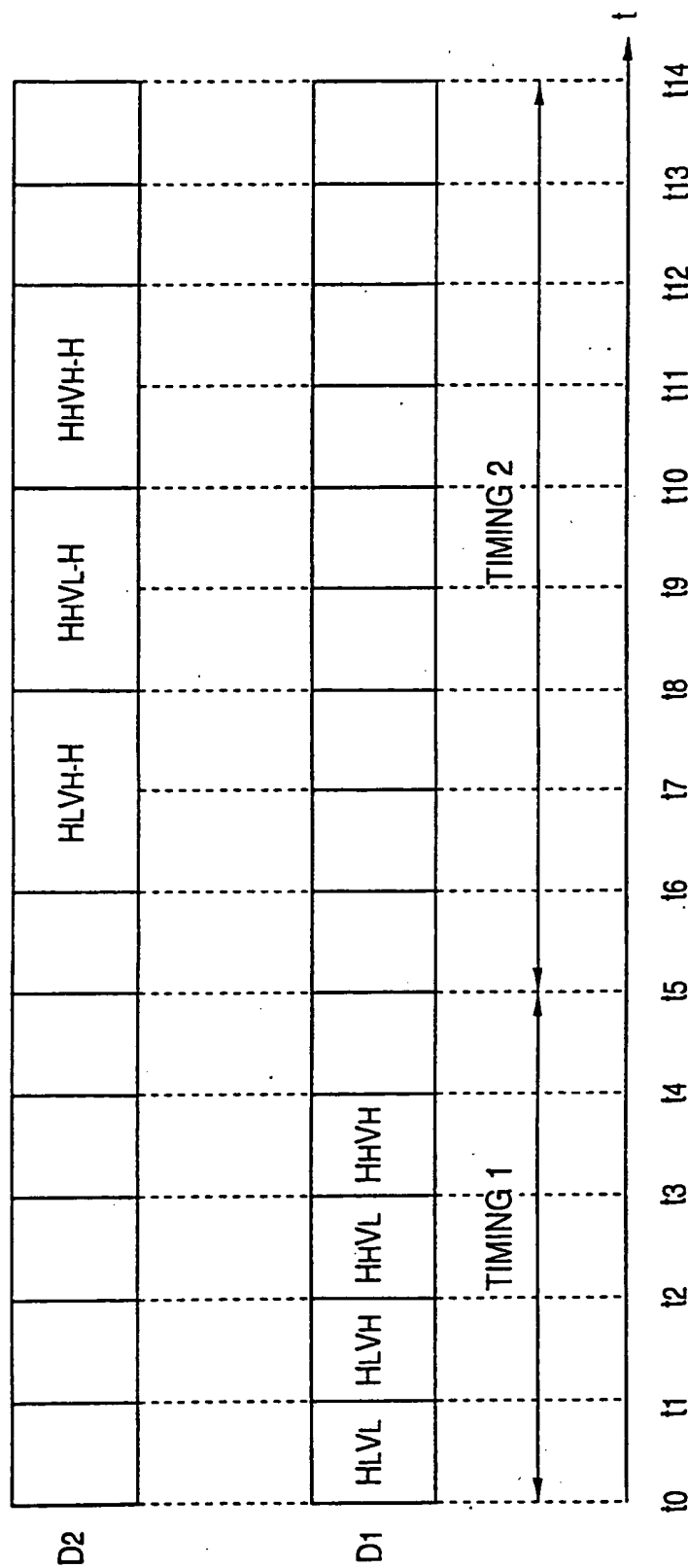


FIG. 74(a)

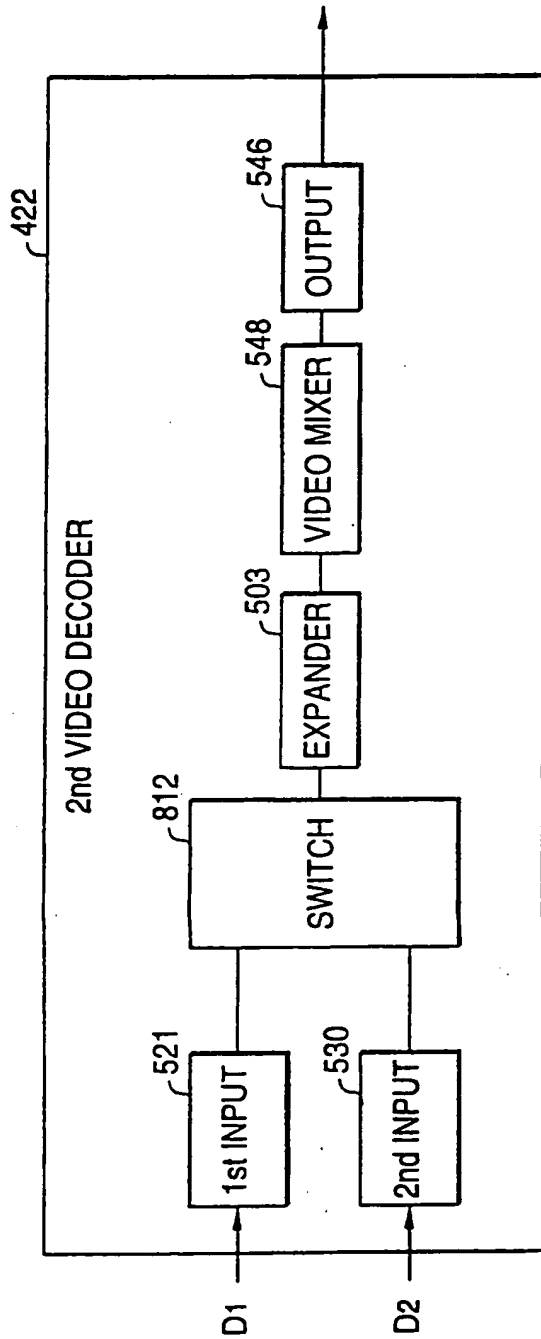


FIG. 74(b)

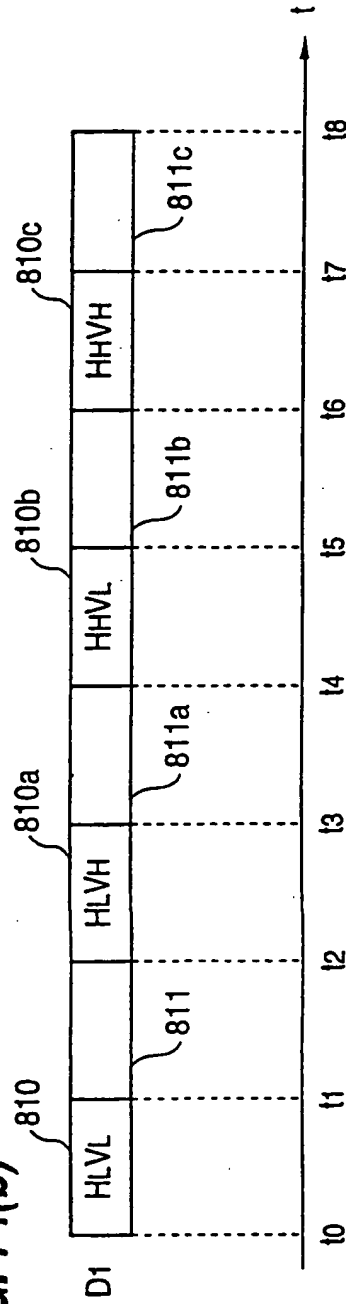


FIG. 76

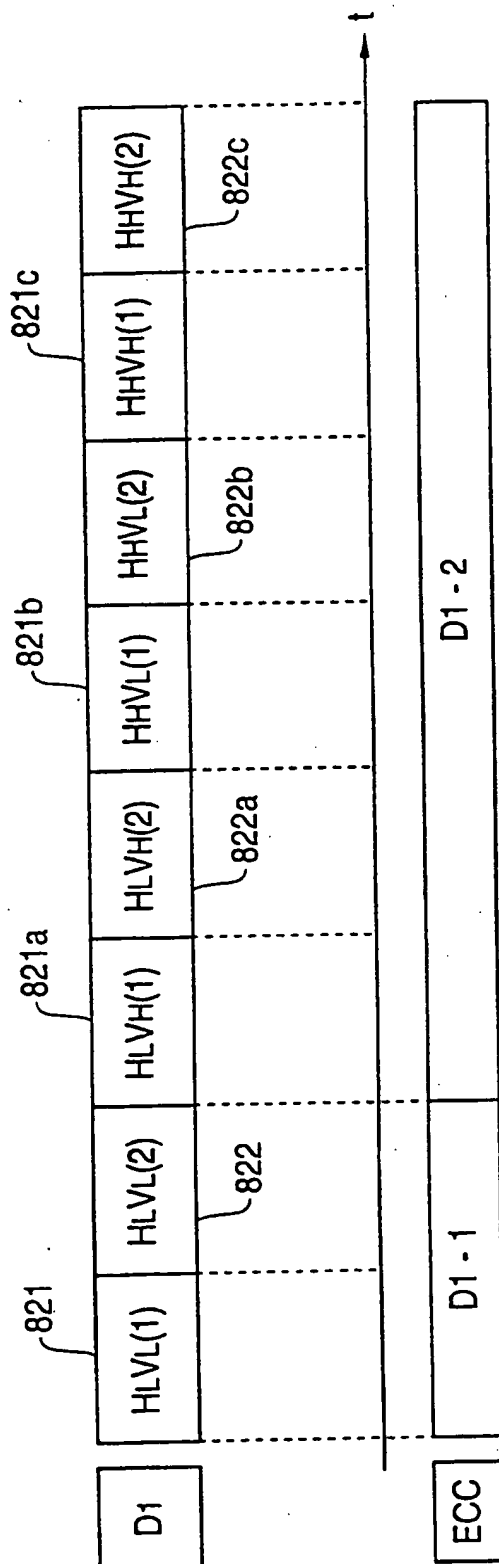
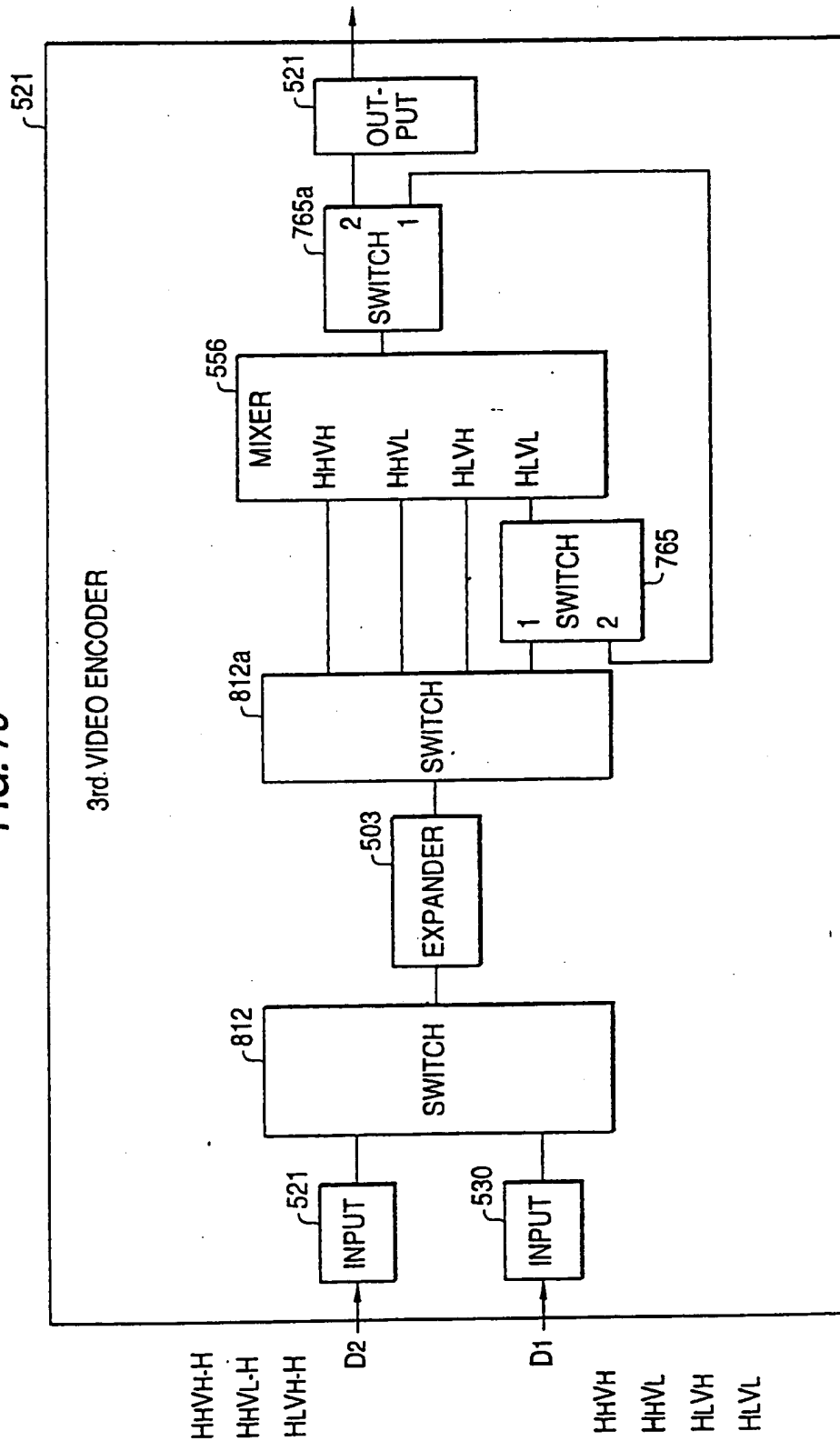


FIG. 78



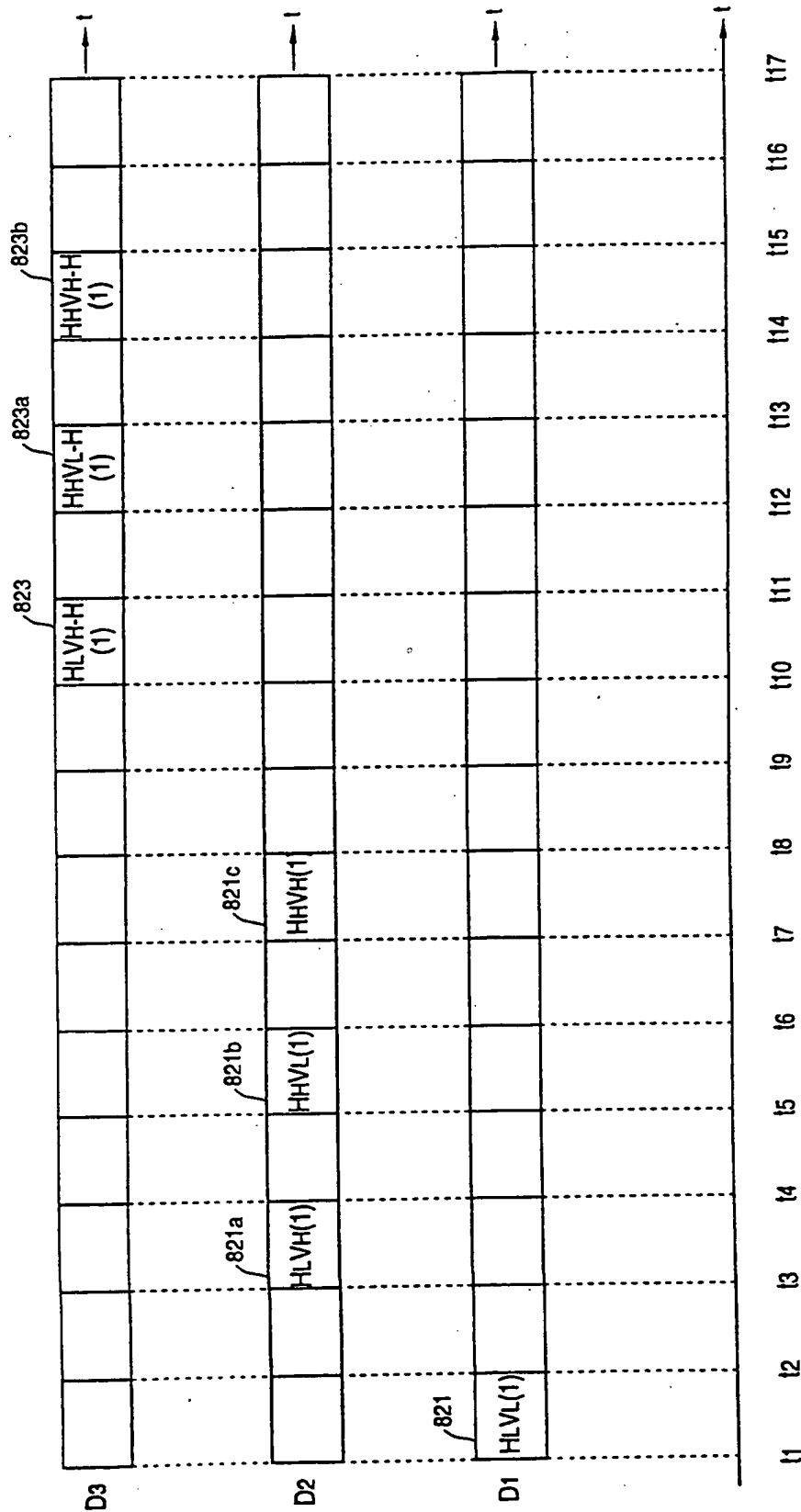
[illegible]

FIG. 80

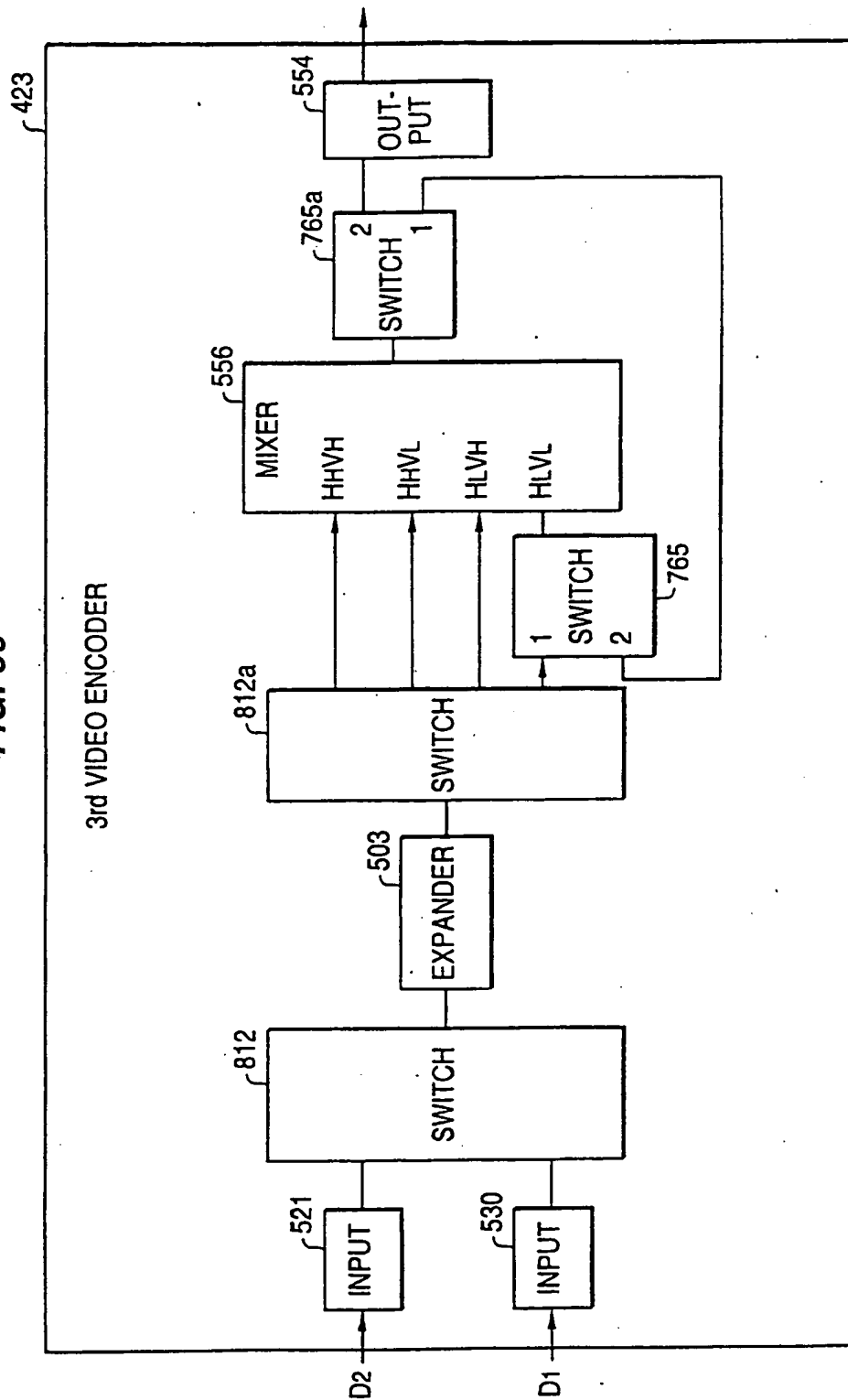


FIG. 81

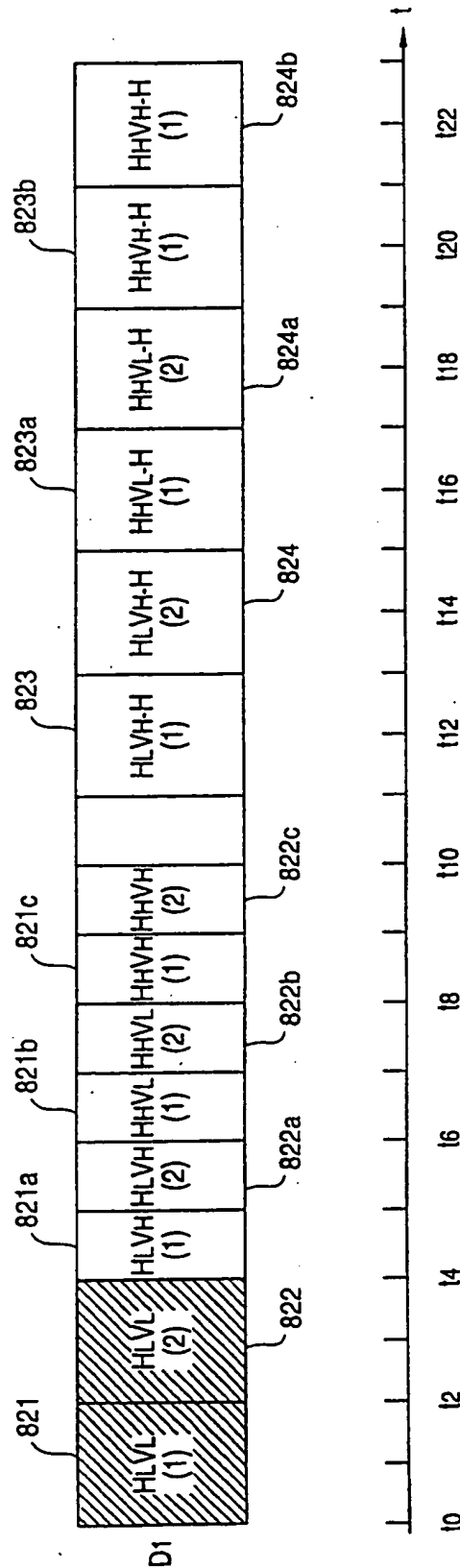


FIG. 82

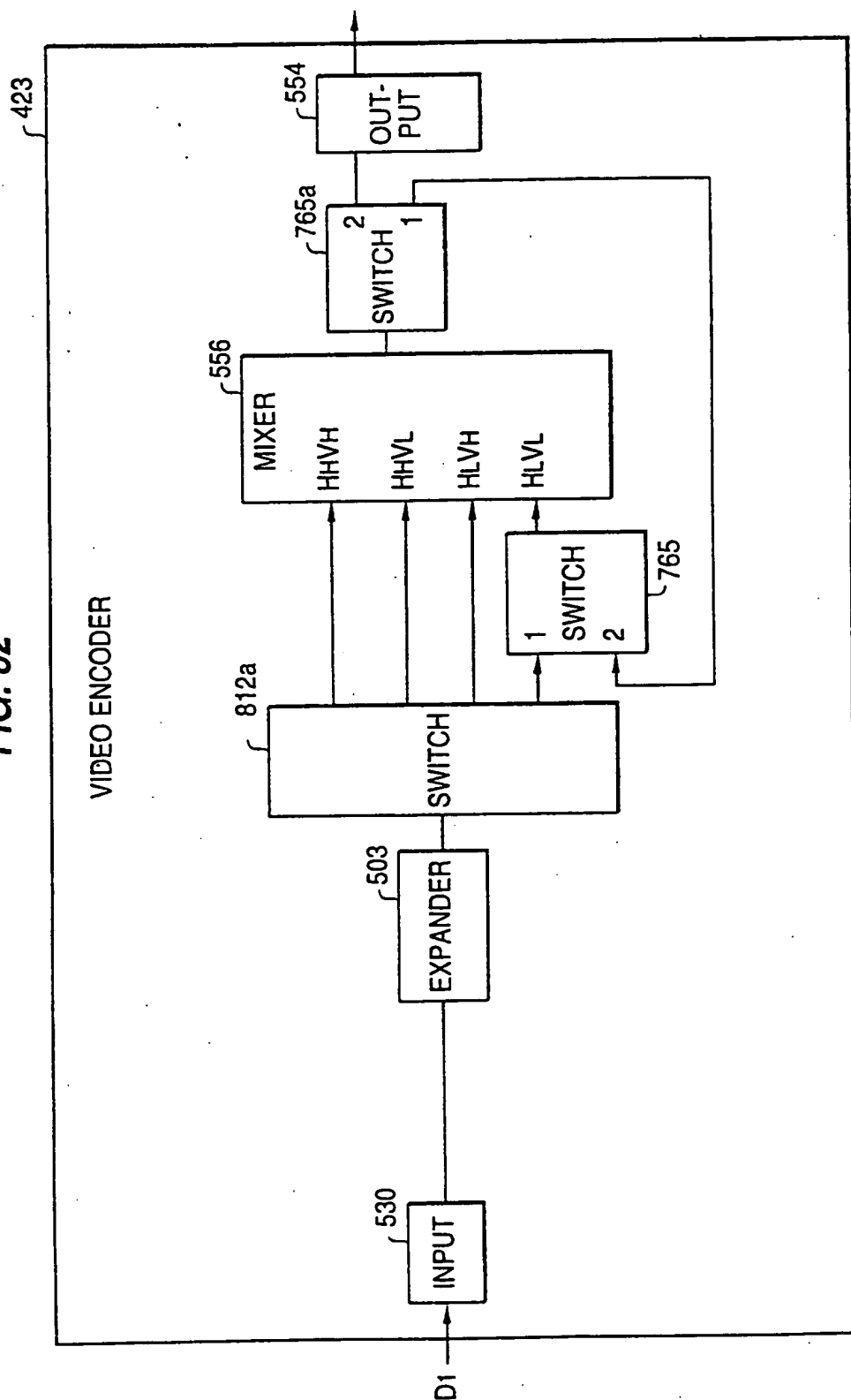


FIG. 83

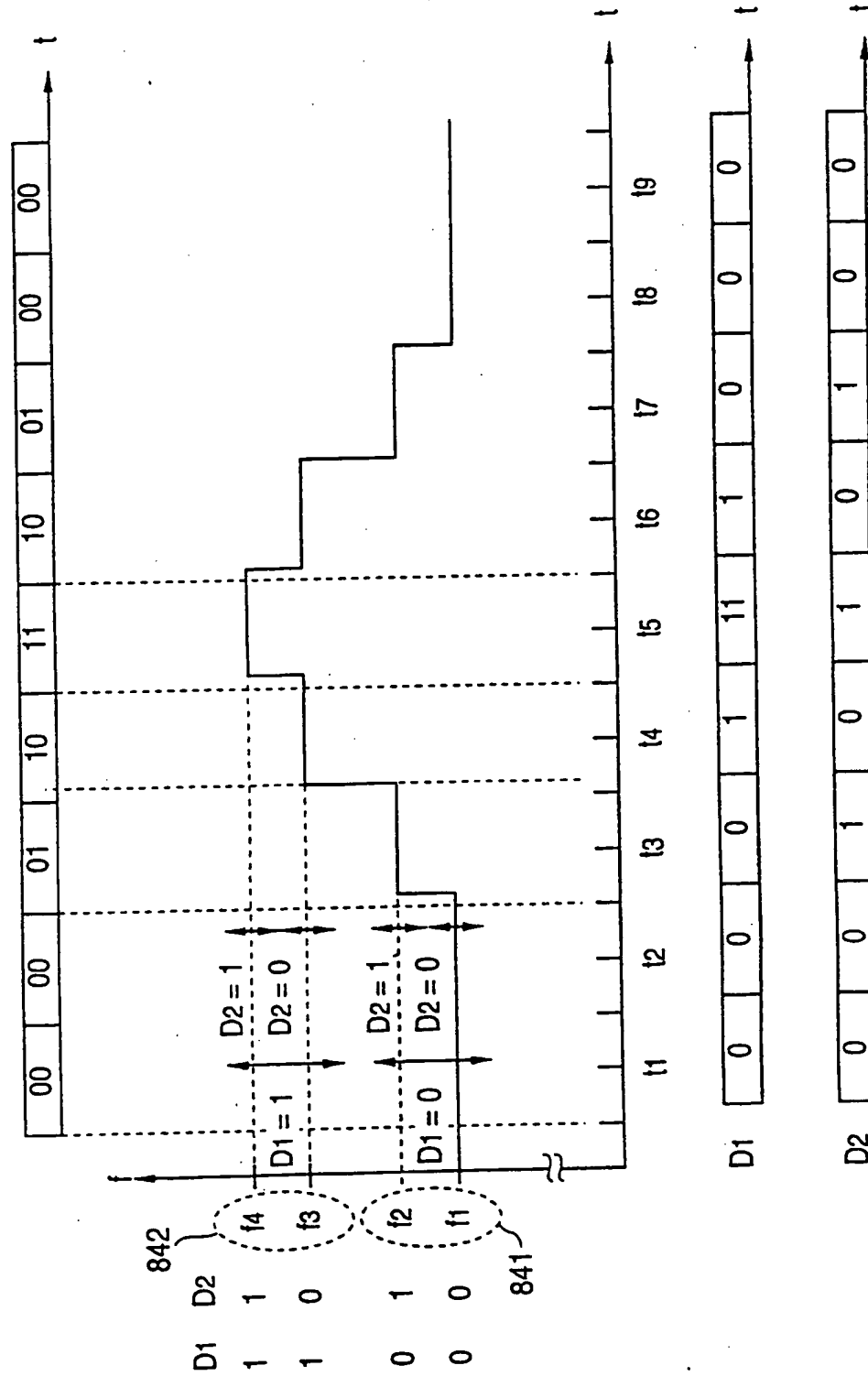


FIG. 84

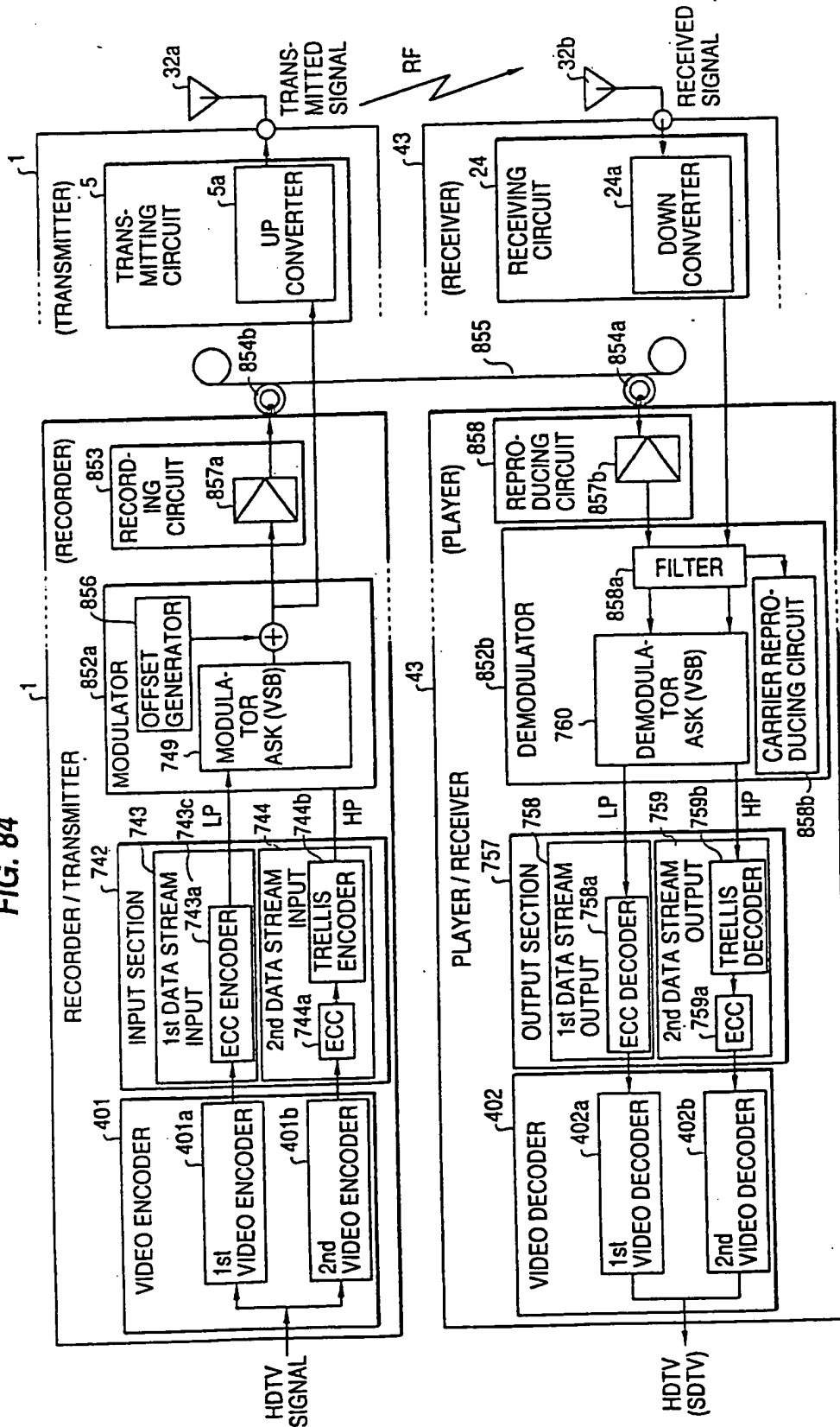


FIG. 85

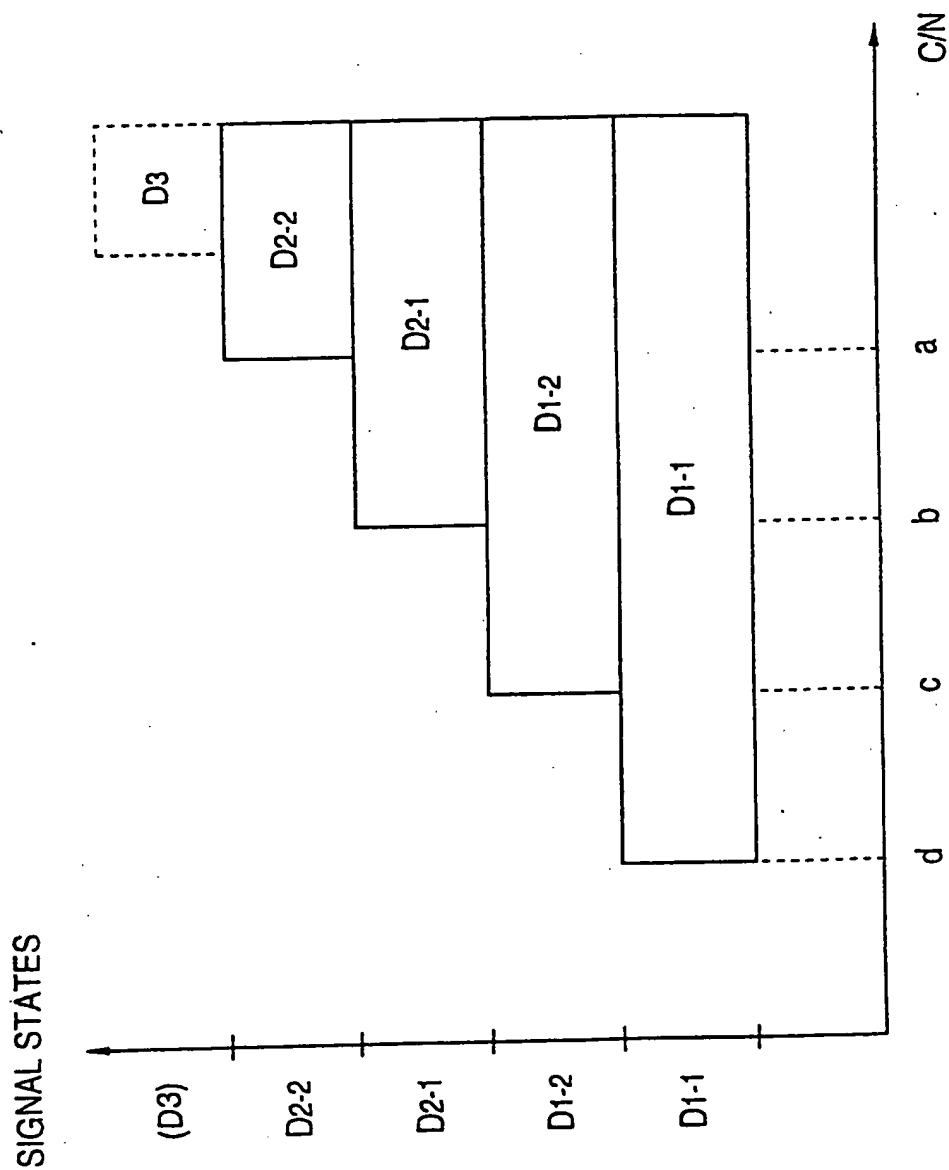


FIG. 86

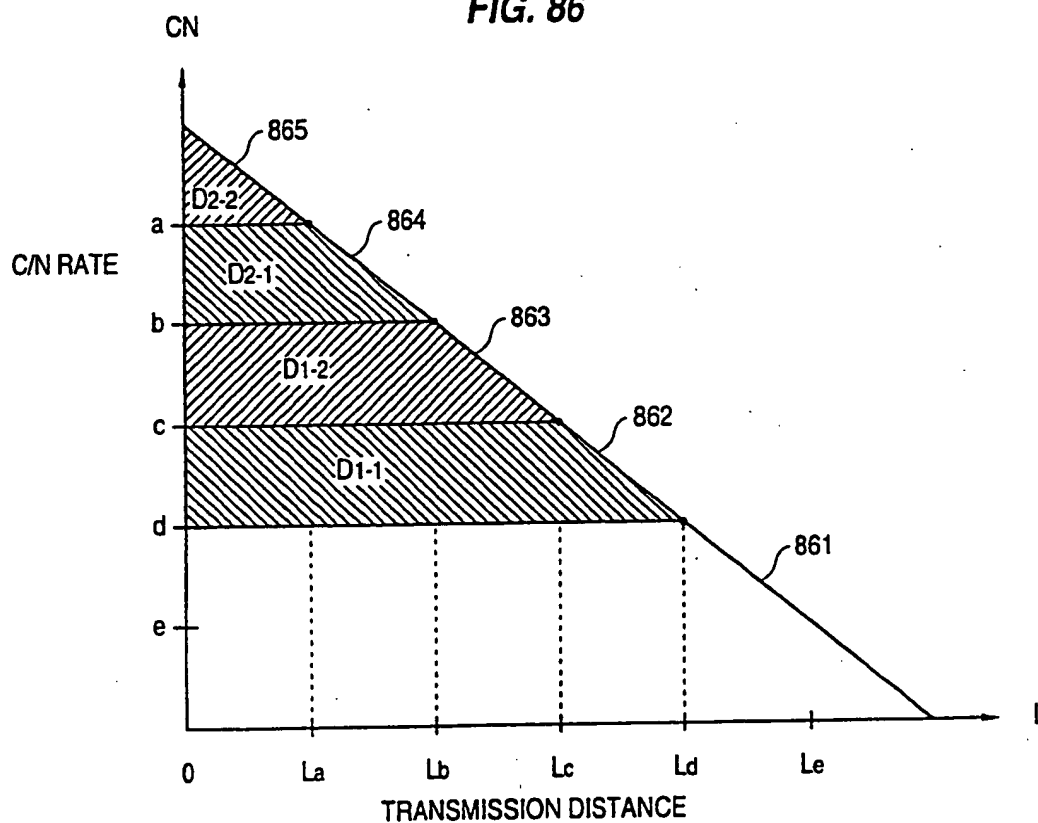


FIG. 87

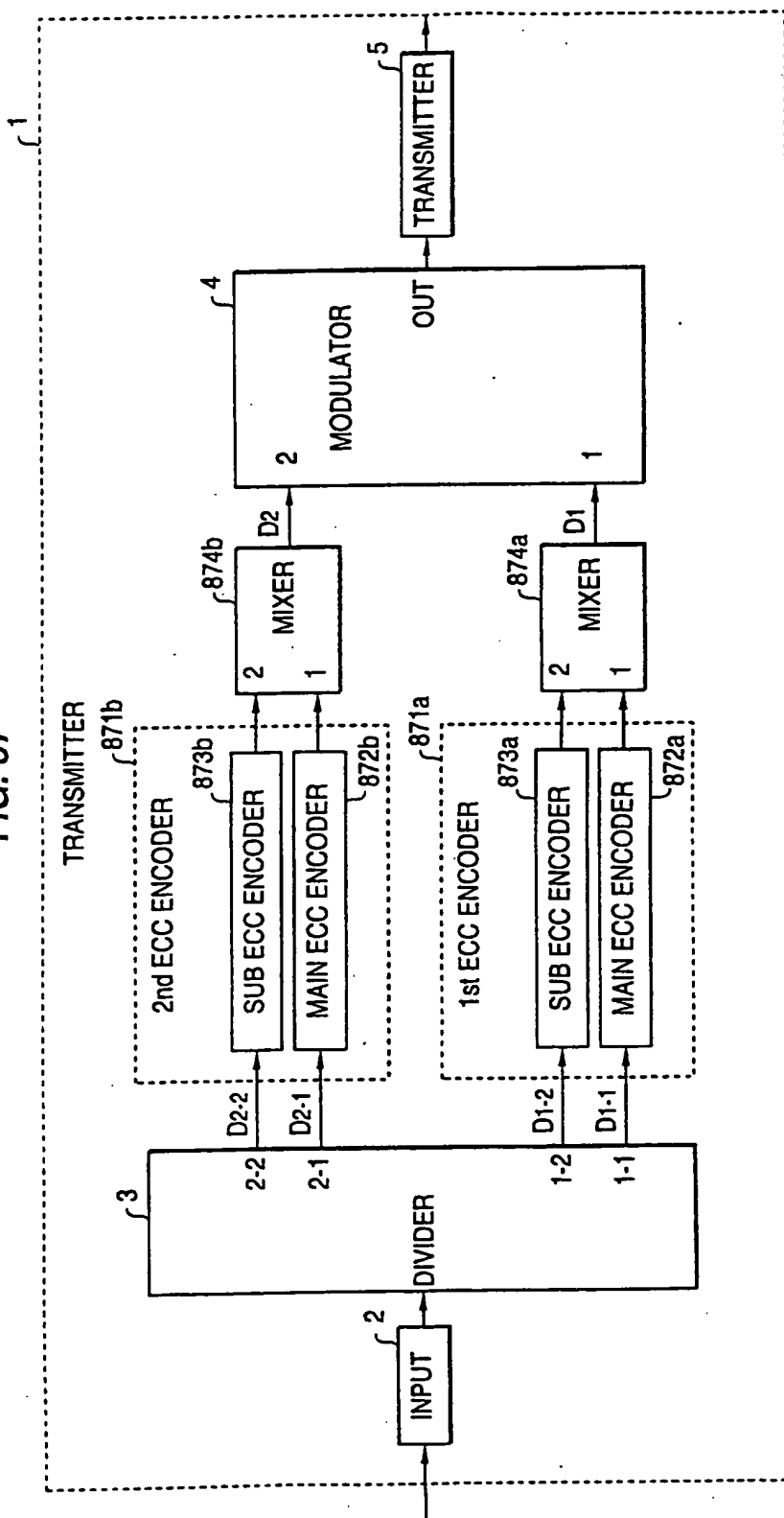


FIG. 88

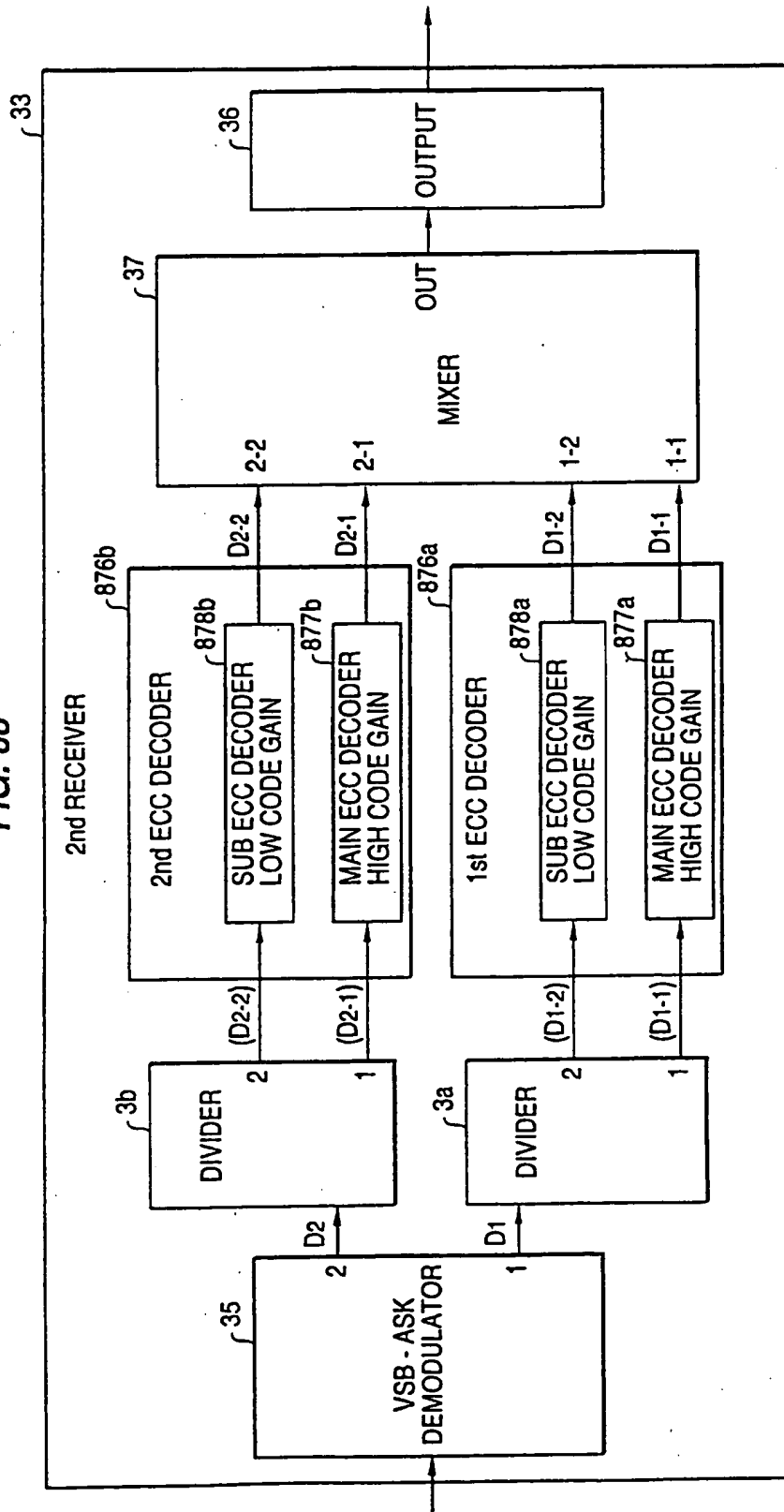


FIG. 89

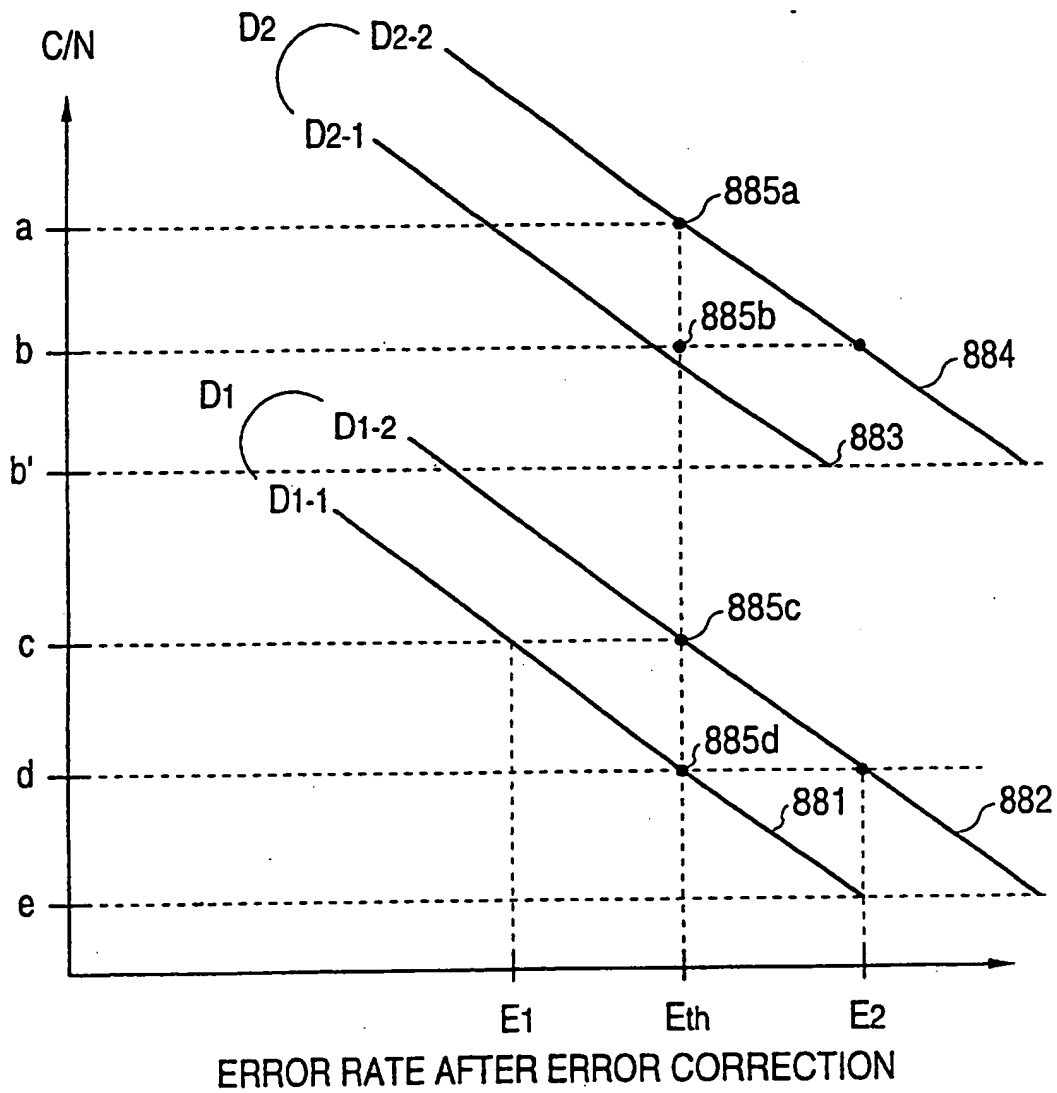


FIG. 90

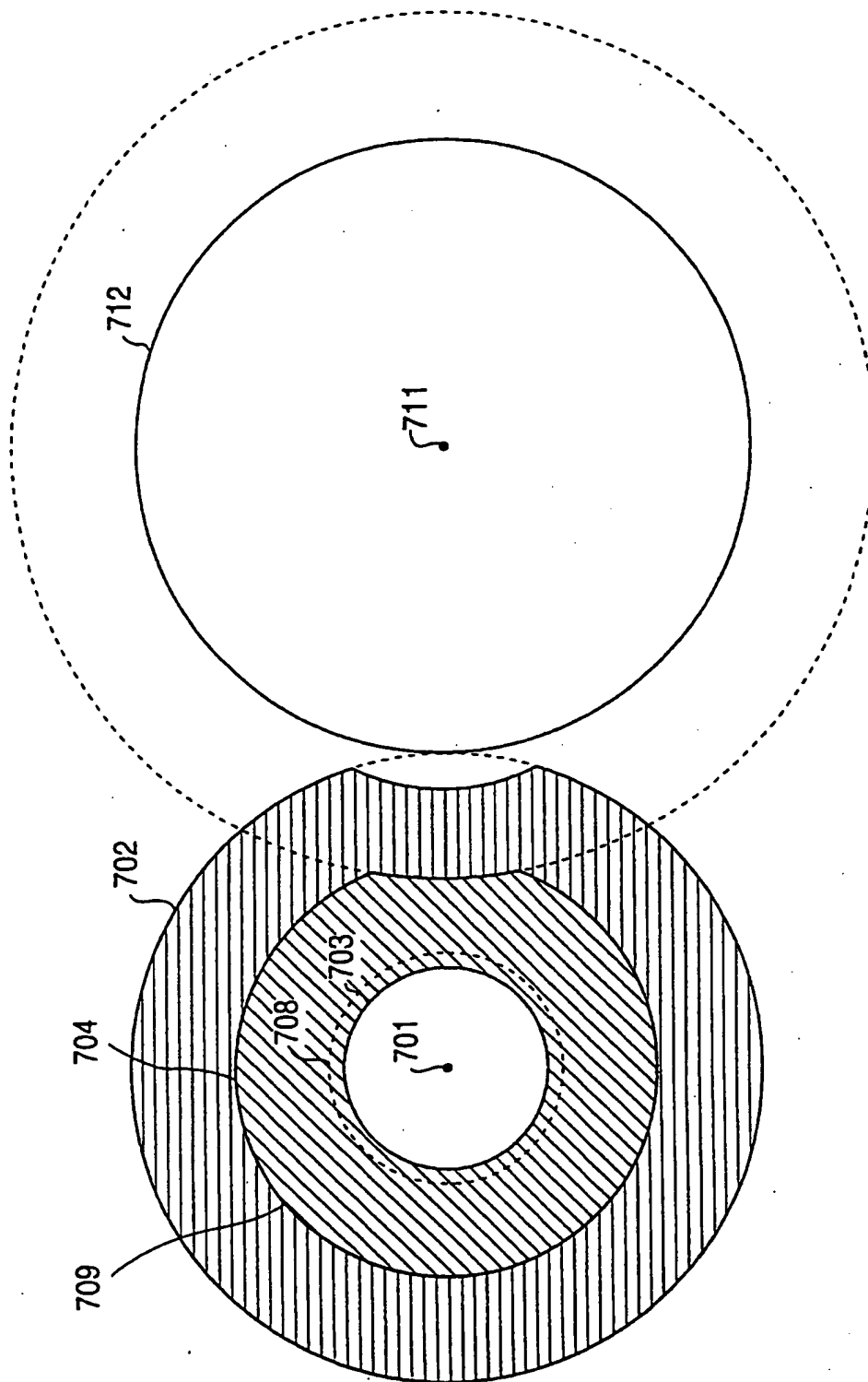


FIG. 91

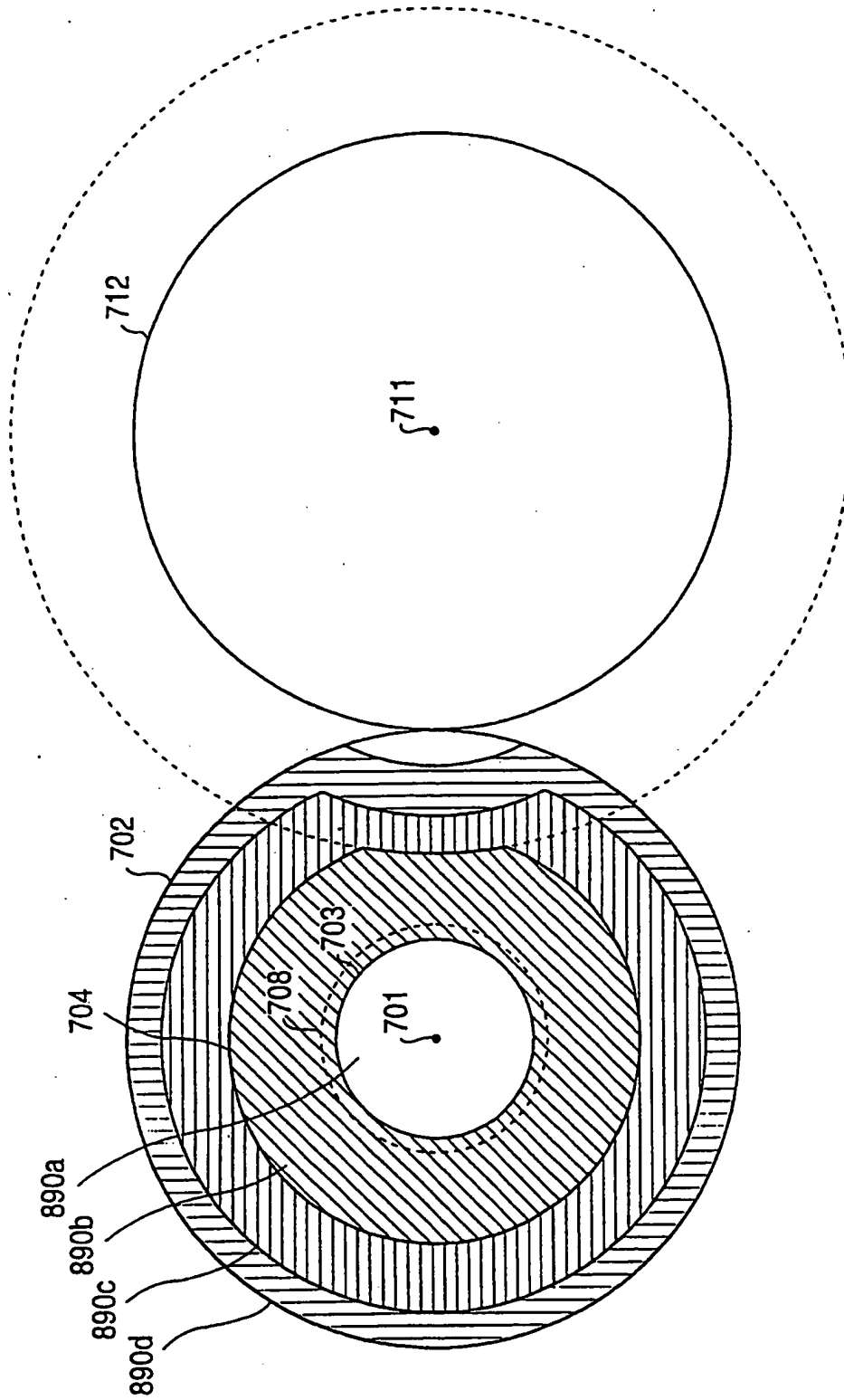


FIG. 91

FIG. 92

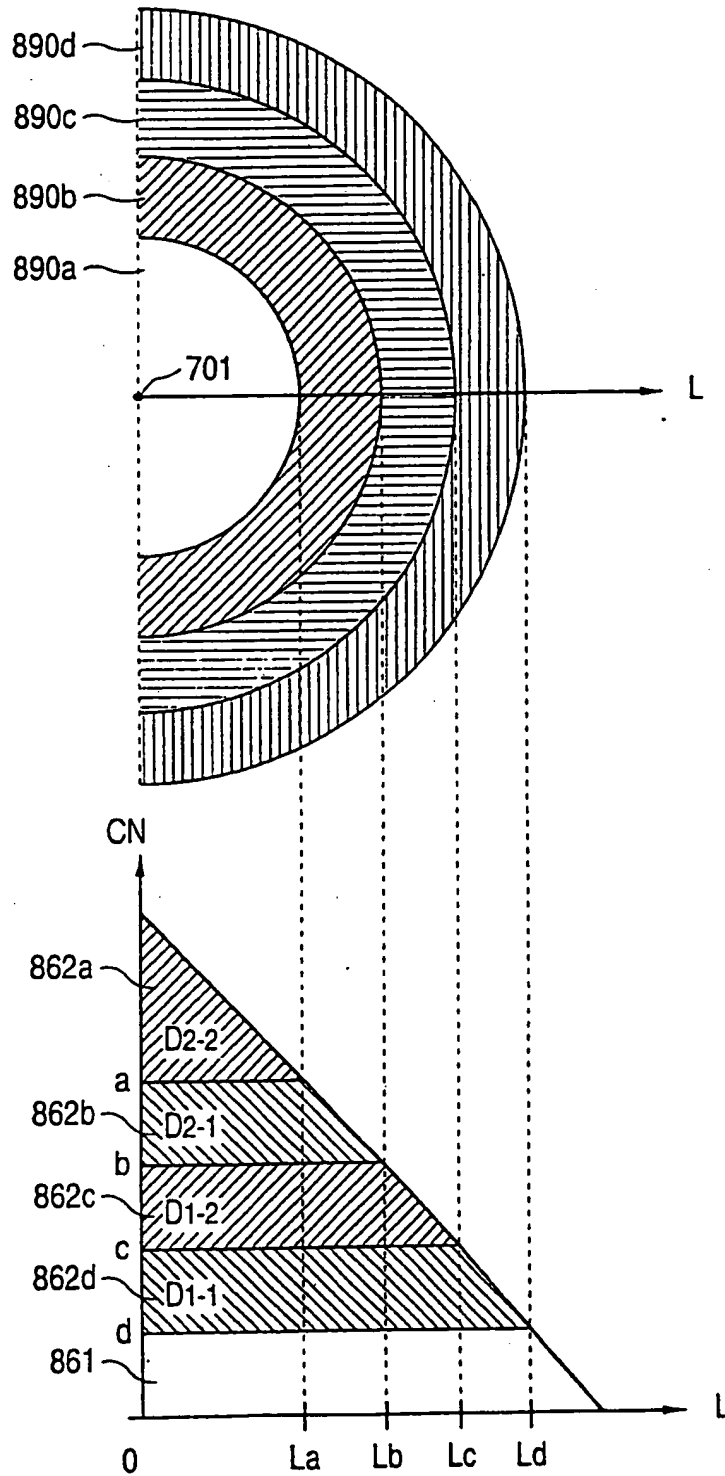


FIG. 94

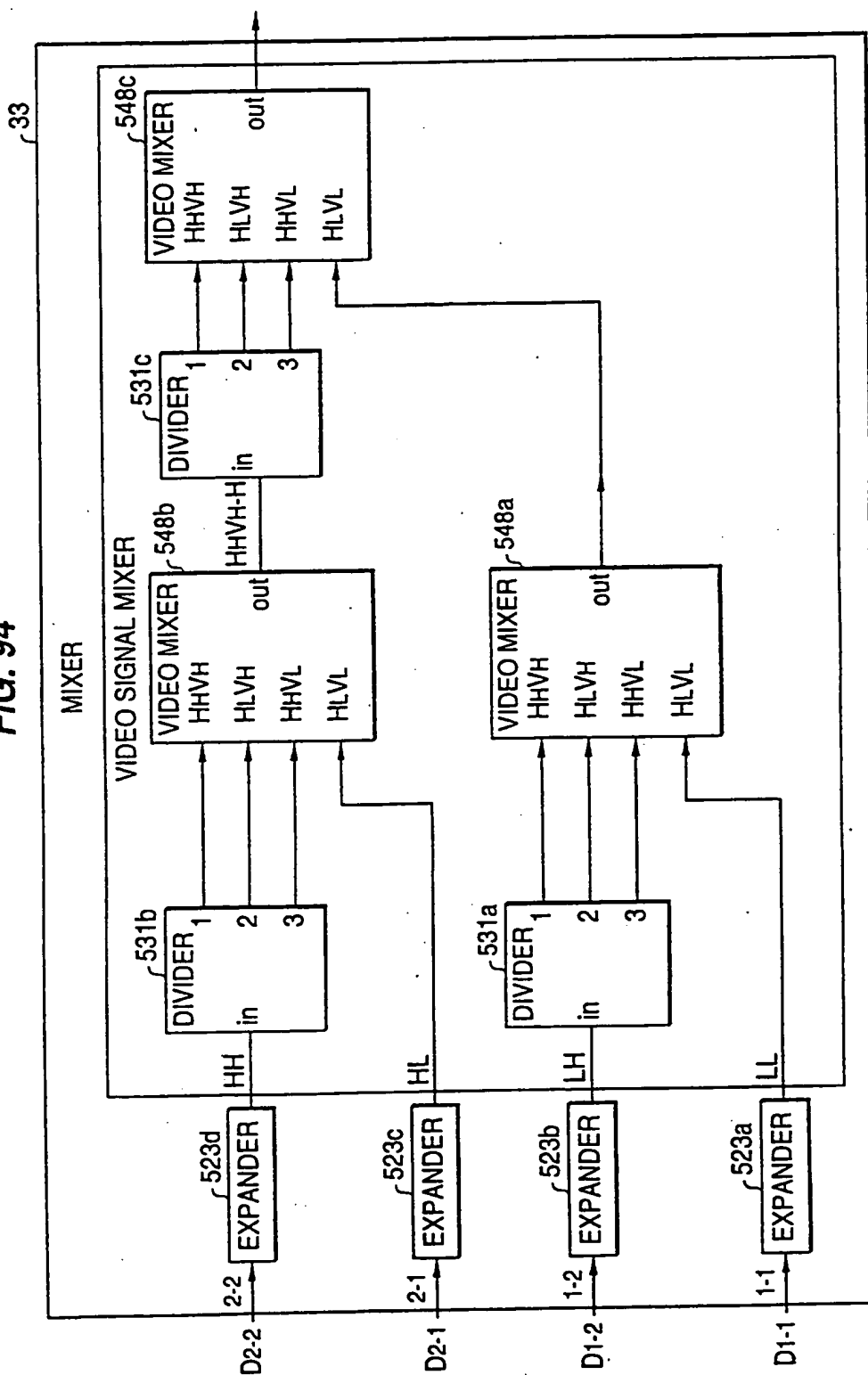


FIG. 95

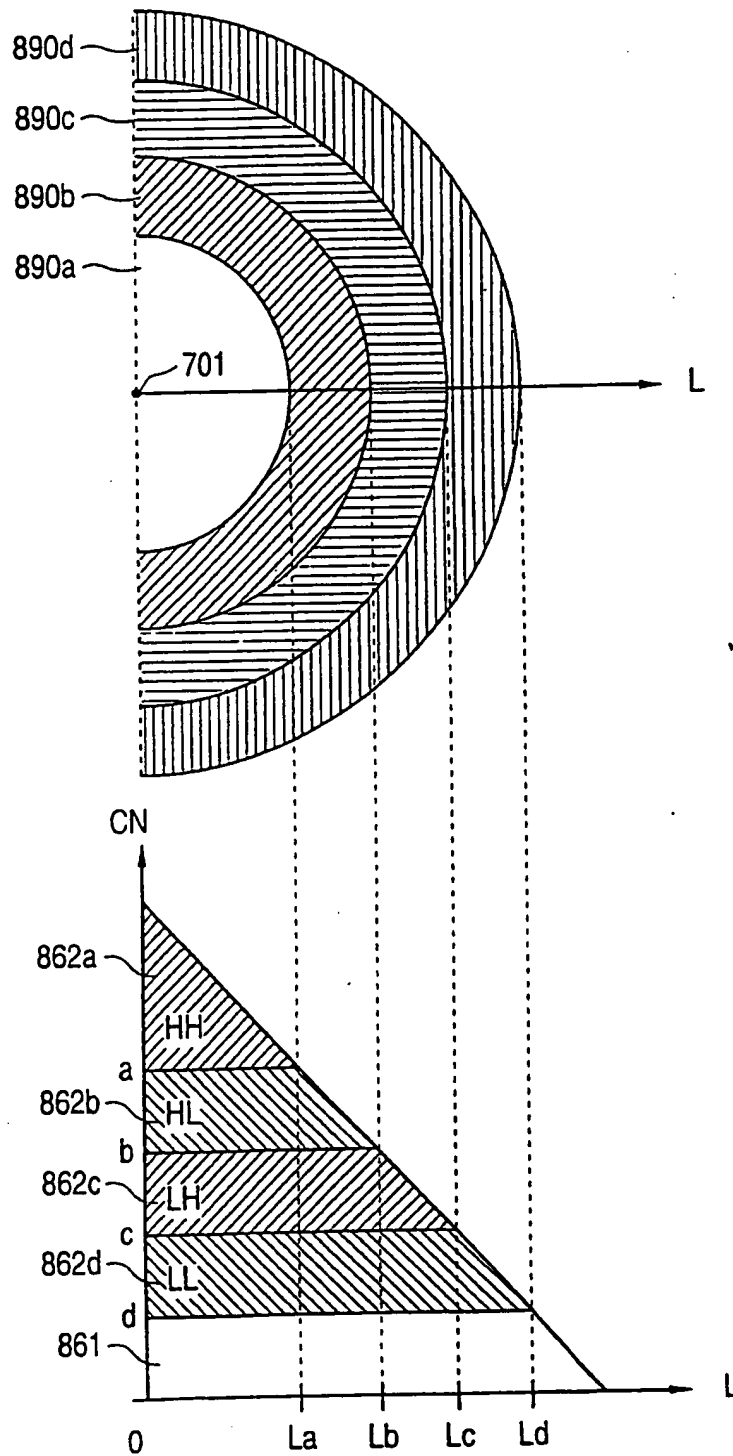


FIG. 97

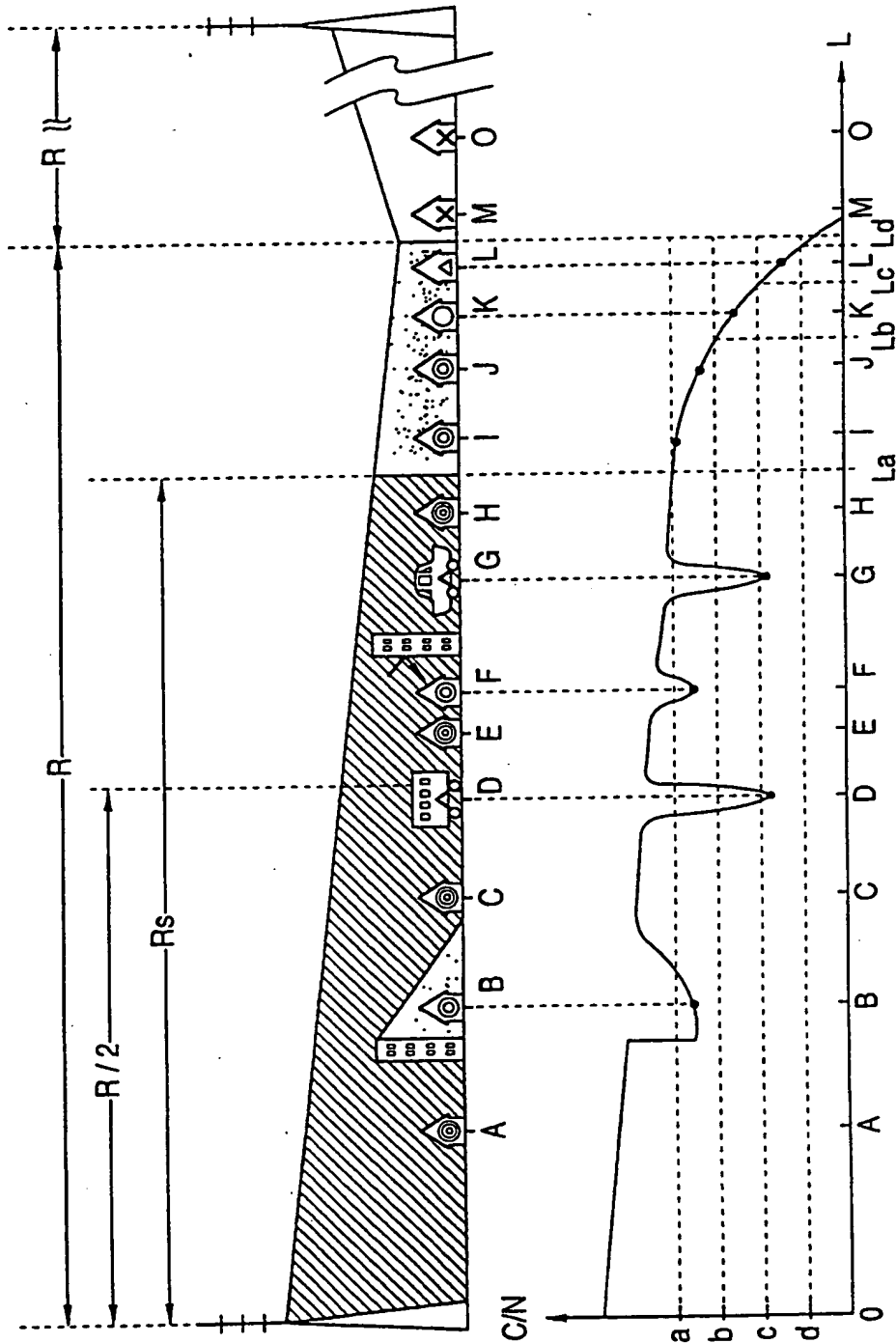


FIG. 98

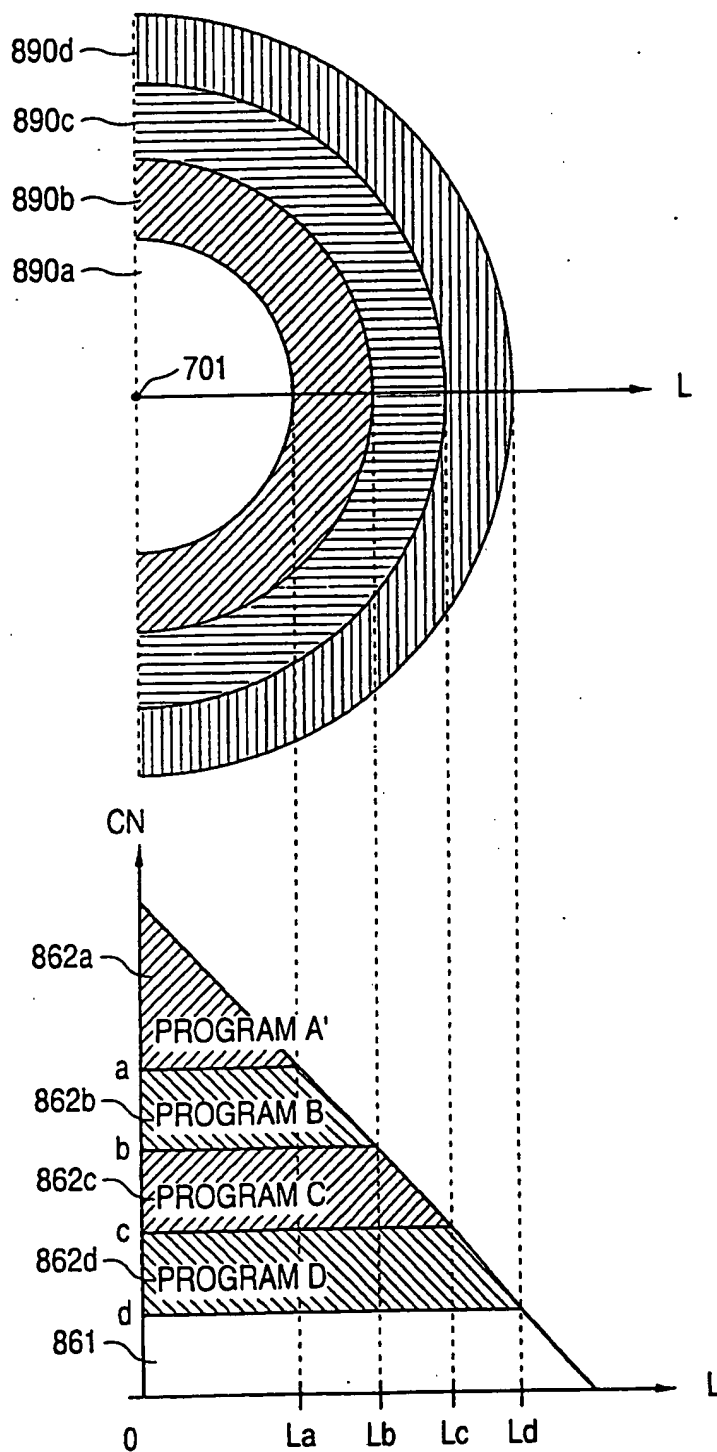


FIG. 99

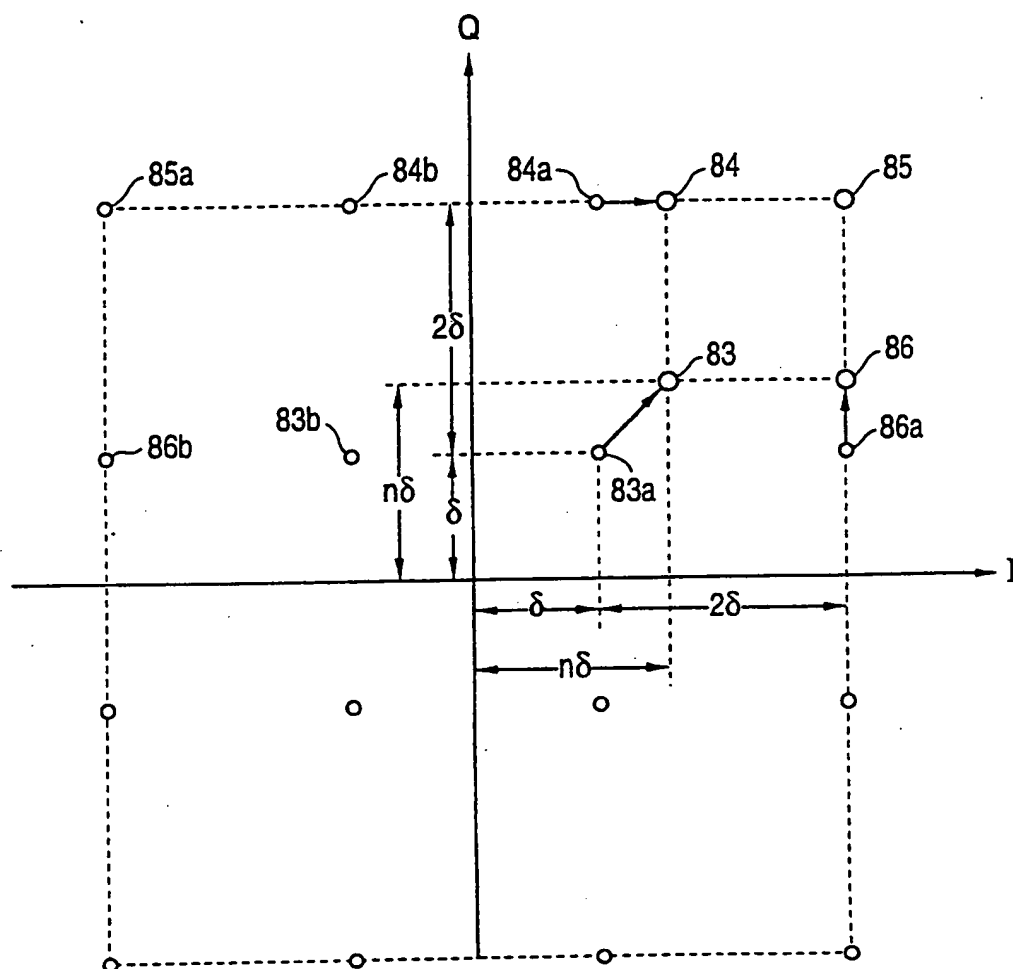


FIG. 101

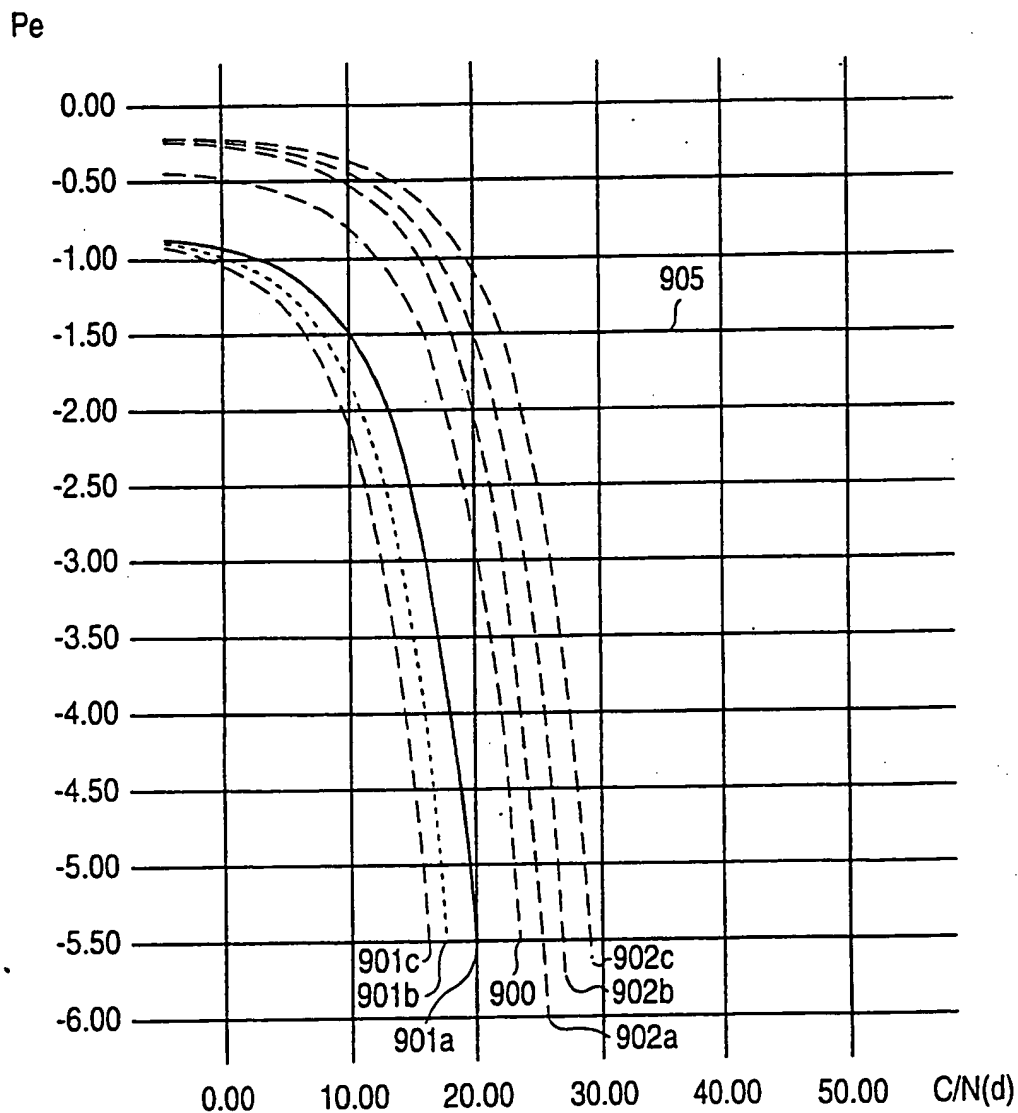


FIG. 102

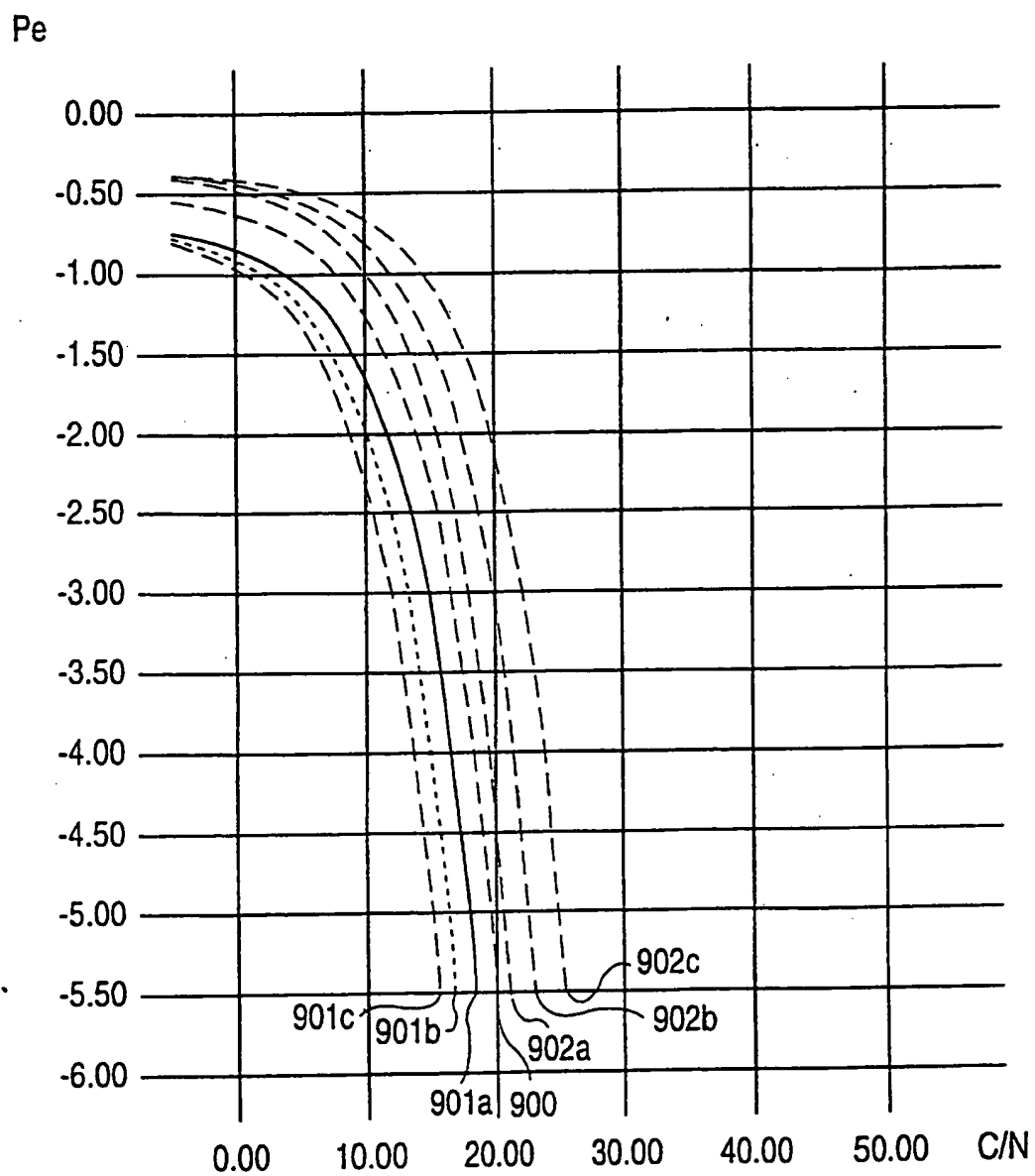


FIG. 103

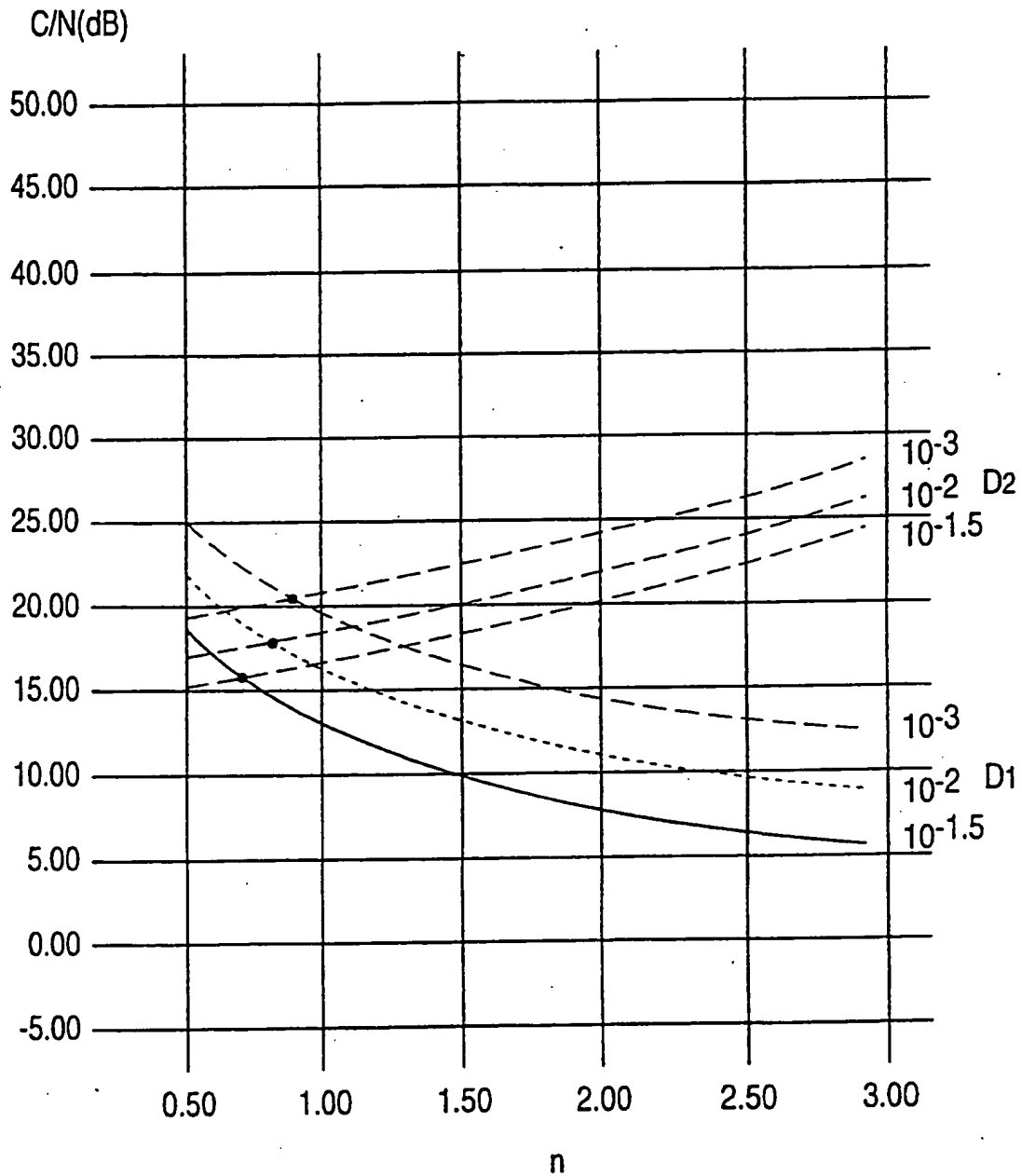


FIG. 104

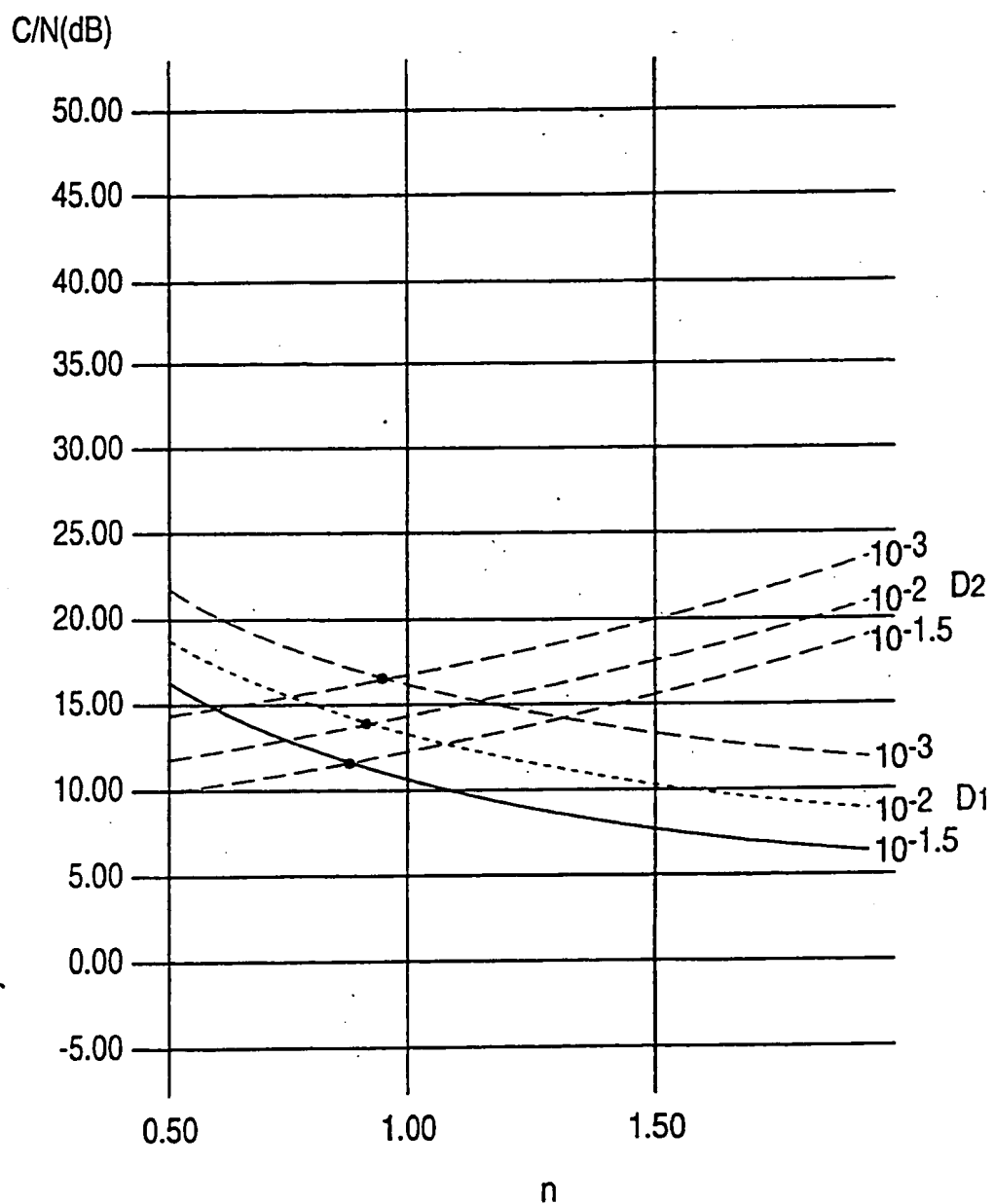


FIG. 105

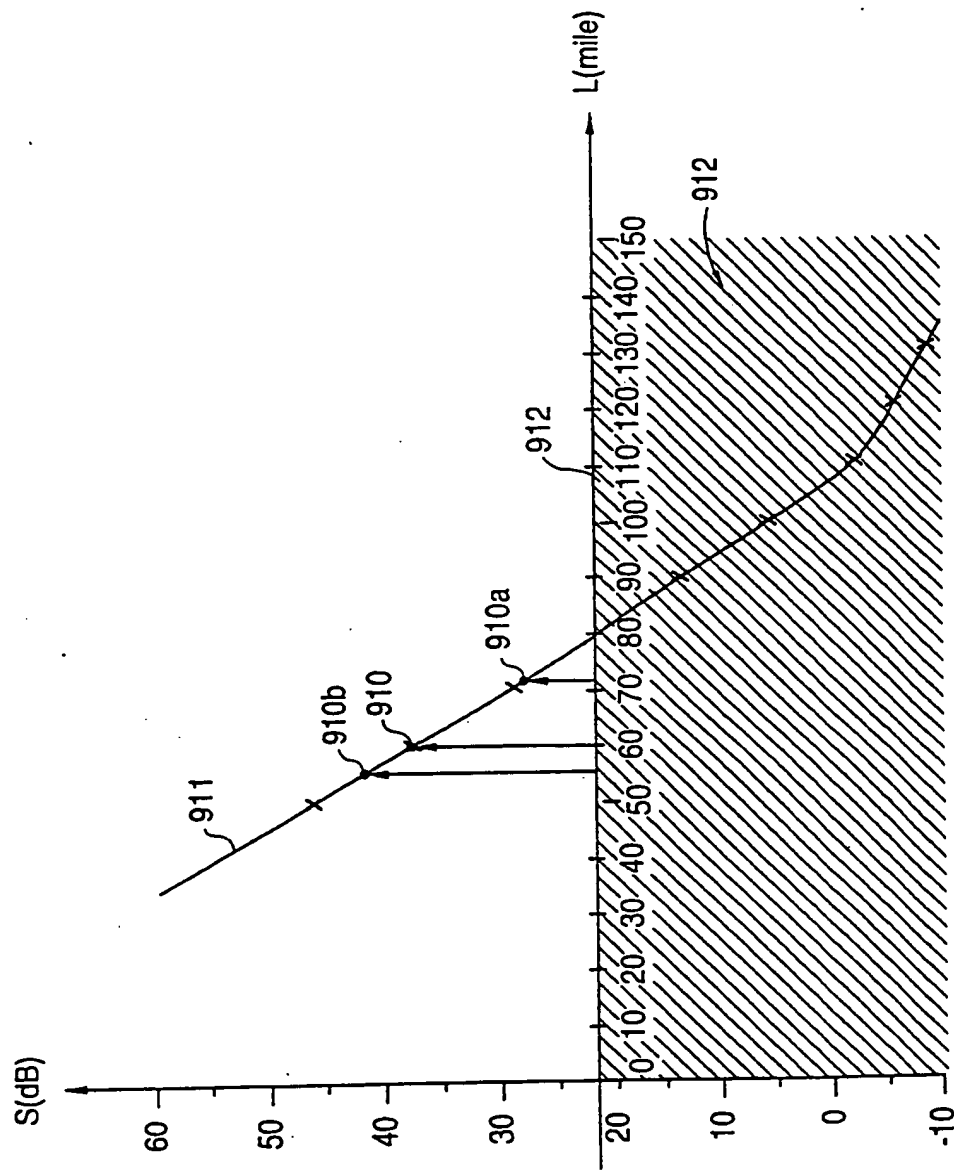


Figure 1 is a diagram illustrating the relationship between a transmitting antenna and a receiving antenna, showing signal coverage areas and interference contours.

The diagram includes a horizontal axis labeled "DISTANCE FROM TRANSMITTING ANTENNA [miles]" ranging from 0 to 70 miles. A vertical axis labeled "L" is shown at the 0-mile mark.

The transmitting antenna is labeled "DIGITAL TV 1200' HAAT 22.5dBk" and is represented by a large circle (703c). The receiving antenna is labeled "NTSC 1200' HAAT 37dBk" and is represented by a smaller circle (712).

The diagram shows the 30dB RECEIVER C/I INTERFERENCE CONTOUR and the 30dB RECEPTOR C/I INTERFERENCE CONTOUR. The distance between the antennas is 115 miles.

The diagram also shows the 30dB RECEPTOR C/I INTERFERENCE CONTOUR and the 30dB RECEPTOR C/I INTERFERENCE CONTOUR. The diagram includes a scale from 0 to 70 miles and a note: "** APPROXIMATELY CALCULATED".

Standard QAM and SRQAM modulation schemes are listed for both antennas:

- Transmitting Antenna (703c):**
 - 12.5dB C/N: 16-QAM 56.8miles
 - 16.5dB C/N: 36-QAM 52miles
- Receiving Antenna (712):**
 - 5dB C/N: 36-SRQAM(D1-1) 65.8miles (HYBRID SRQAM)
 - 10dB C/N: 36-SRQAM(D1-2) 59.8miles
 - 20dB C/N: 36-SRQAM(D2) 47.8miles

Additional labels include 703a, 703b, 708, 701, 711, and 712.

FIG. 108(a)

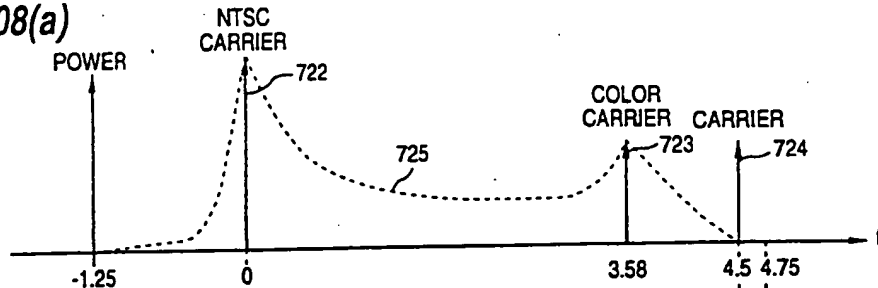


FIG. 108(b)

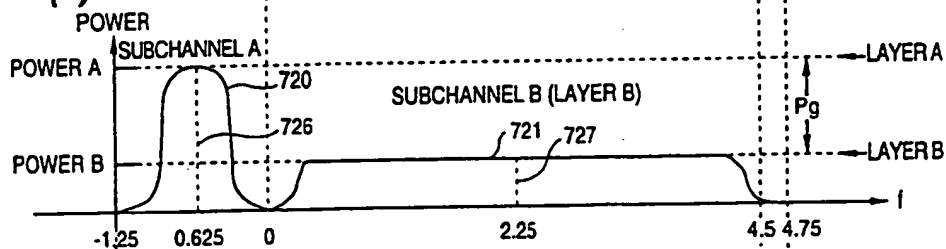


FIG. 108(c)

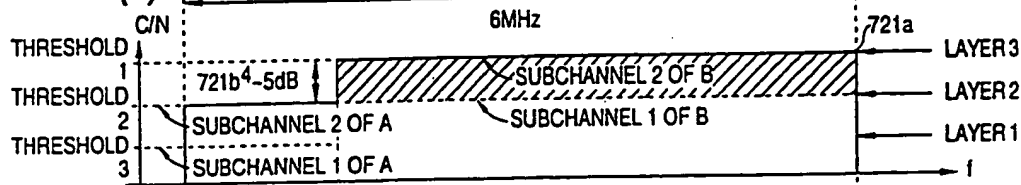


FIG. 108(d)

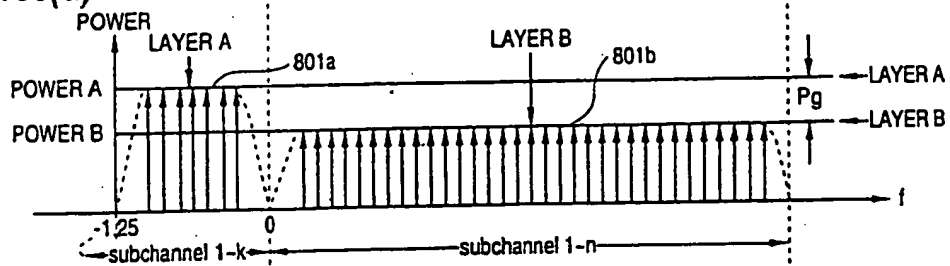


FIG. 108(e)

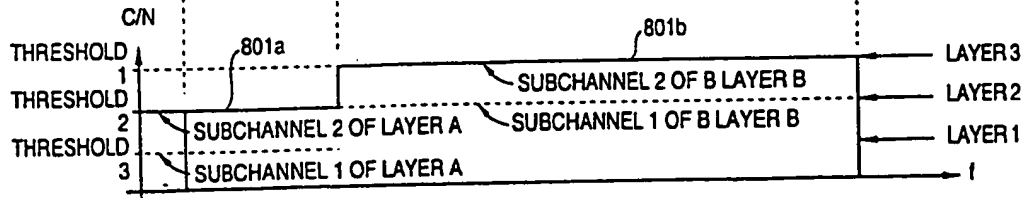


FIG. 109

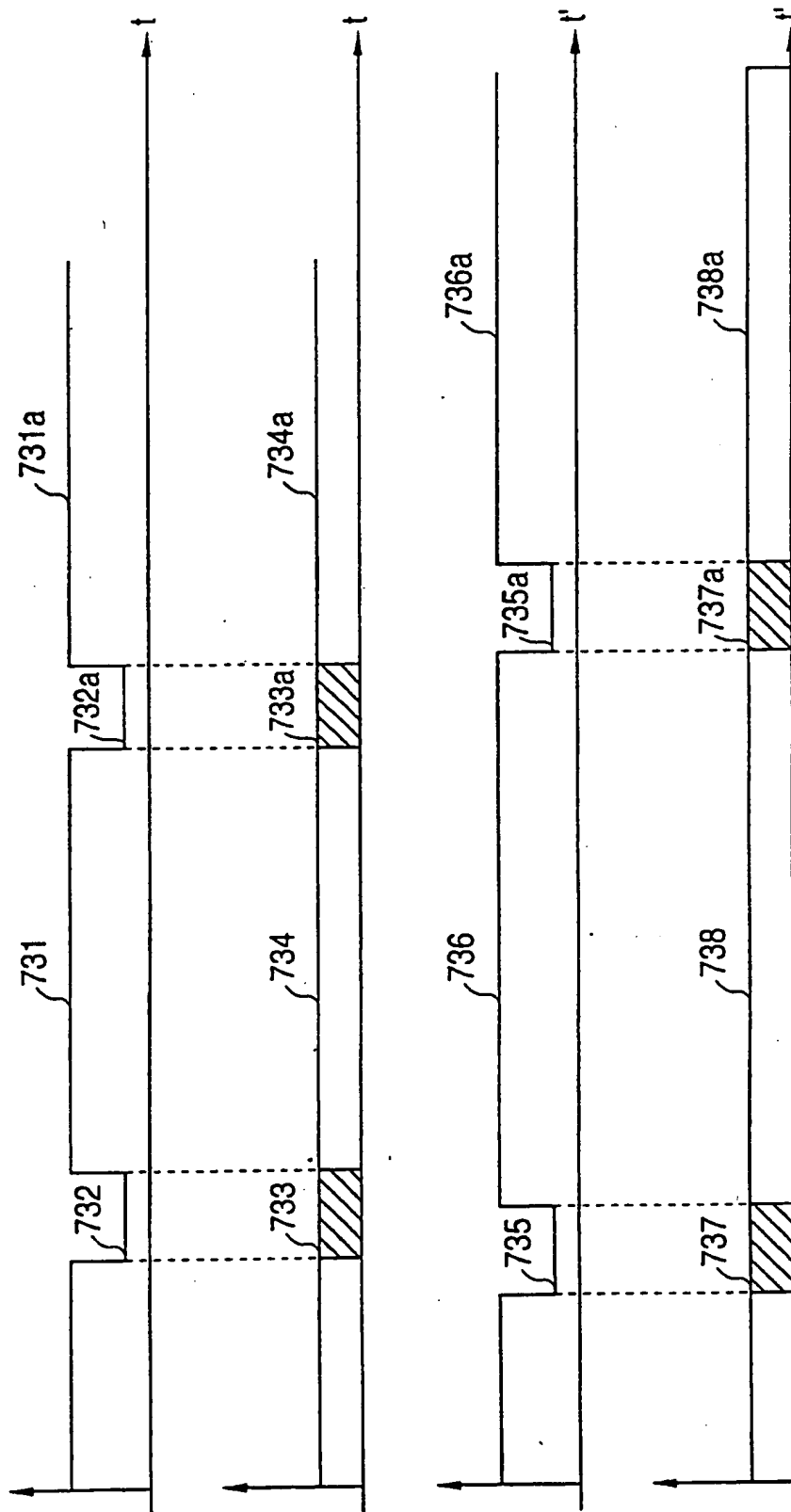


FIG. 110

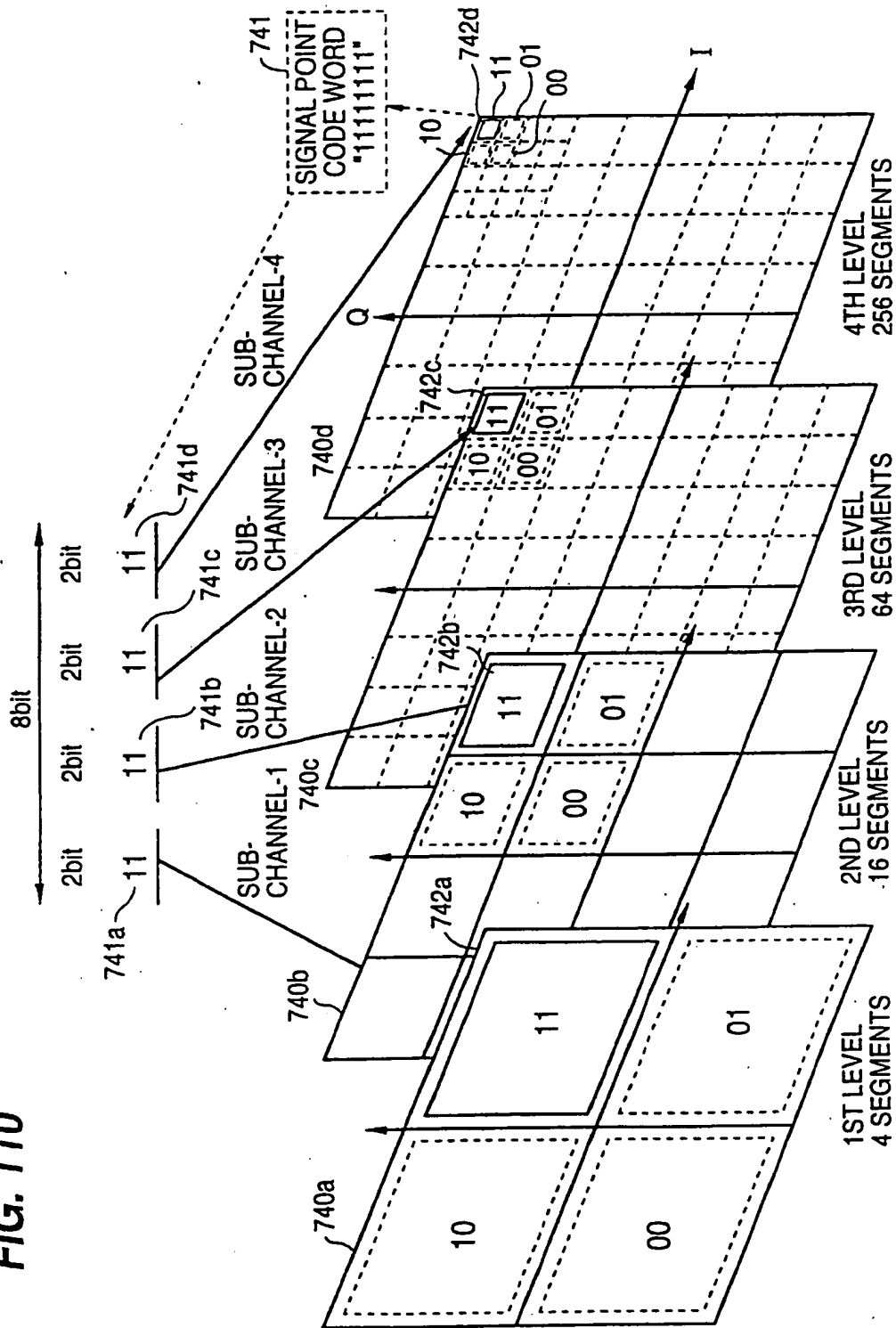
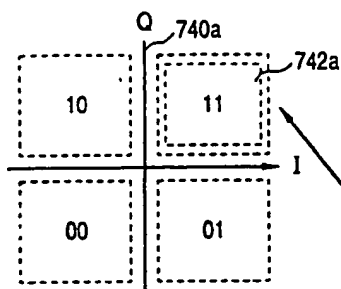


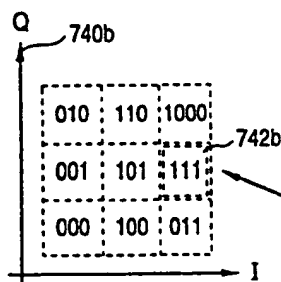
FIG. 111

SUBCHANNEL-1 (SRQAM:D1 = 2bit)



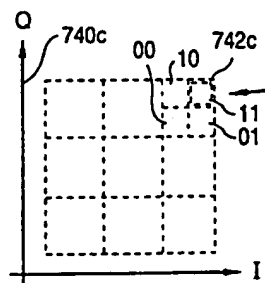
CODE WORD-1

SUBCHANNEL-2 (36-SRQAM:D2 = 3bit + 1/8bit)



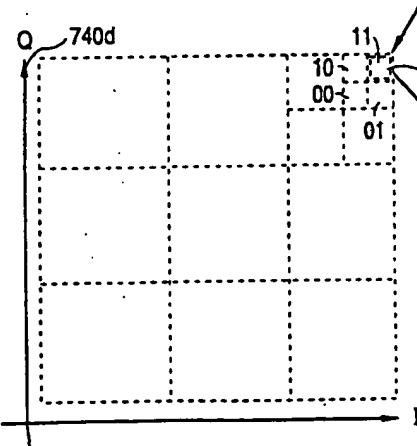
CODE WORD-2

SUBCHANNEL-3 (144-SRQAM:D3 = 2bit)



CODE WORD-3

SUBCHANNEL-4 (576-SRQAM:D4 = 2bit)



CODE WORD-4

741a ~ 11 2bit

741b ~ 111 3+1/8bit

741c ~ 11 2bit

741d ~ 11 2bit

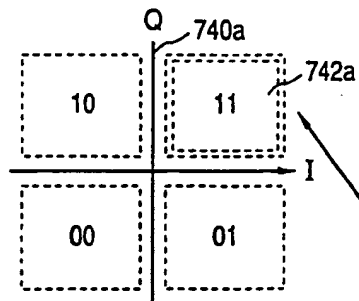
9+1/8bit

SIGNAL POINT
CODE WORD
11 11 11 11

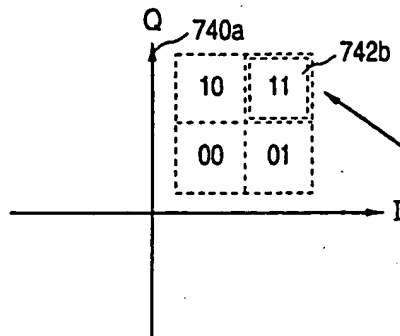
741

FIG. 112

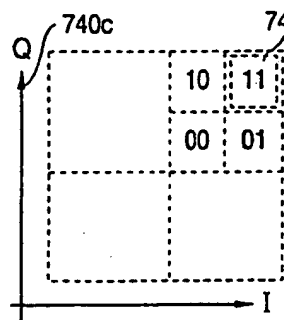
SUBCHANNEL-1 (SRQAM:D1 = 2bit)



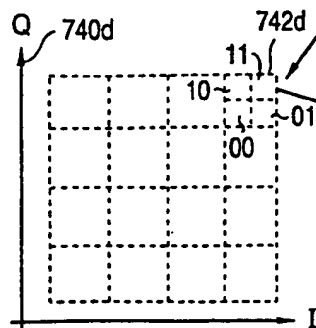
SUBCHANNEL-2 (16-SRQAM:D2 = 2bit)



SUBCHANNEL-3 (64-SRQAM:D3 = 2bit)



SUBCHANNEL-4 (256-SRQAM:D4 = 2bit)

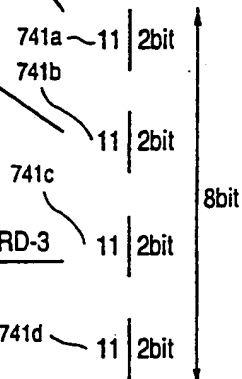


CODE WORD-1

CODE WORD-2

CODE WORD-3

CODE WORD-4



SIGNAL POINT
CODE WORD
11 11 11 11

FIG. 113

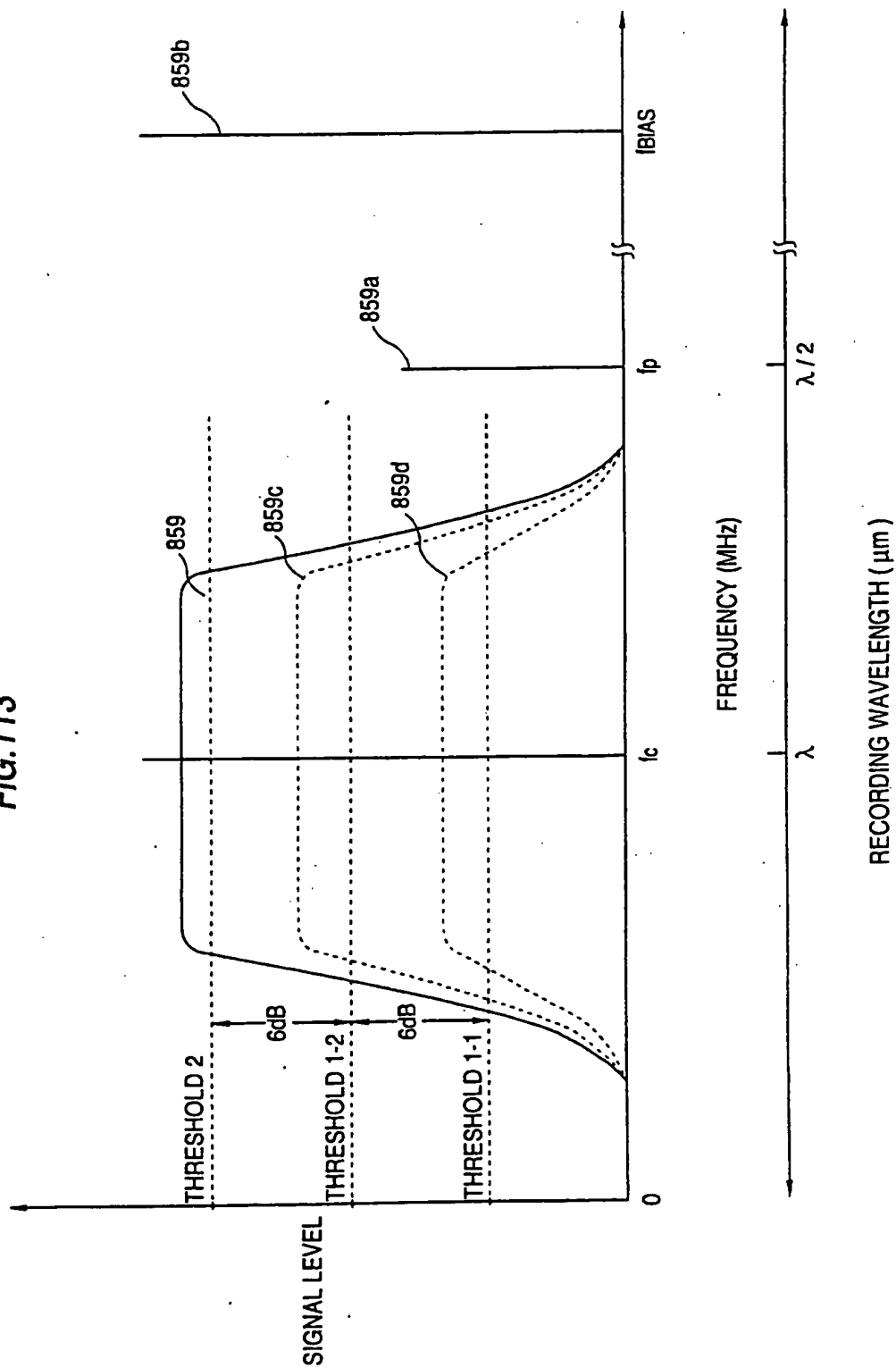


FIG. 114

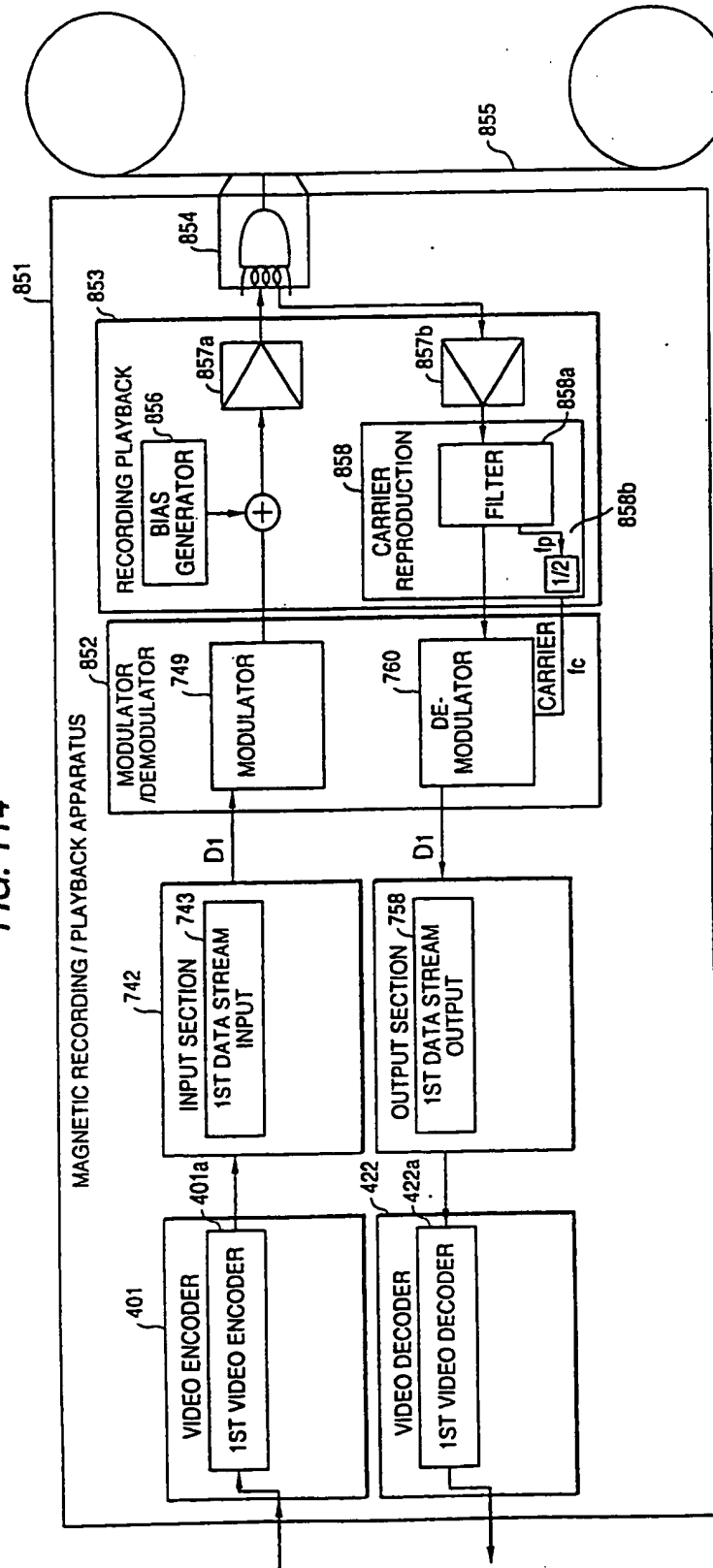


FIG. 115

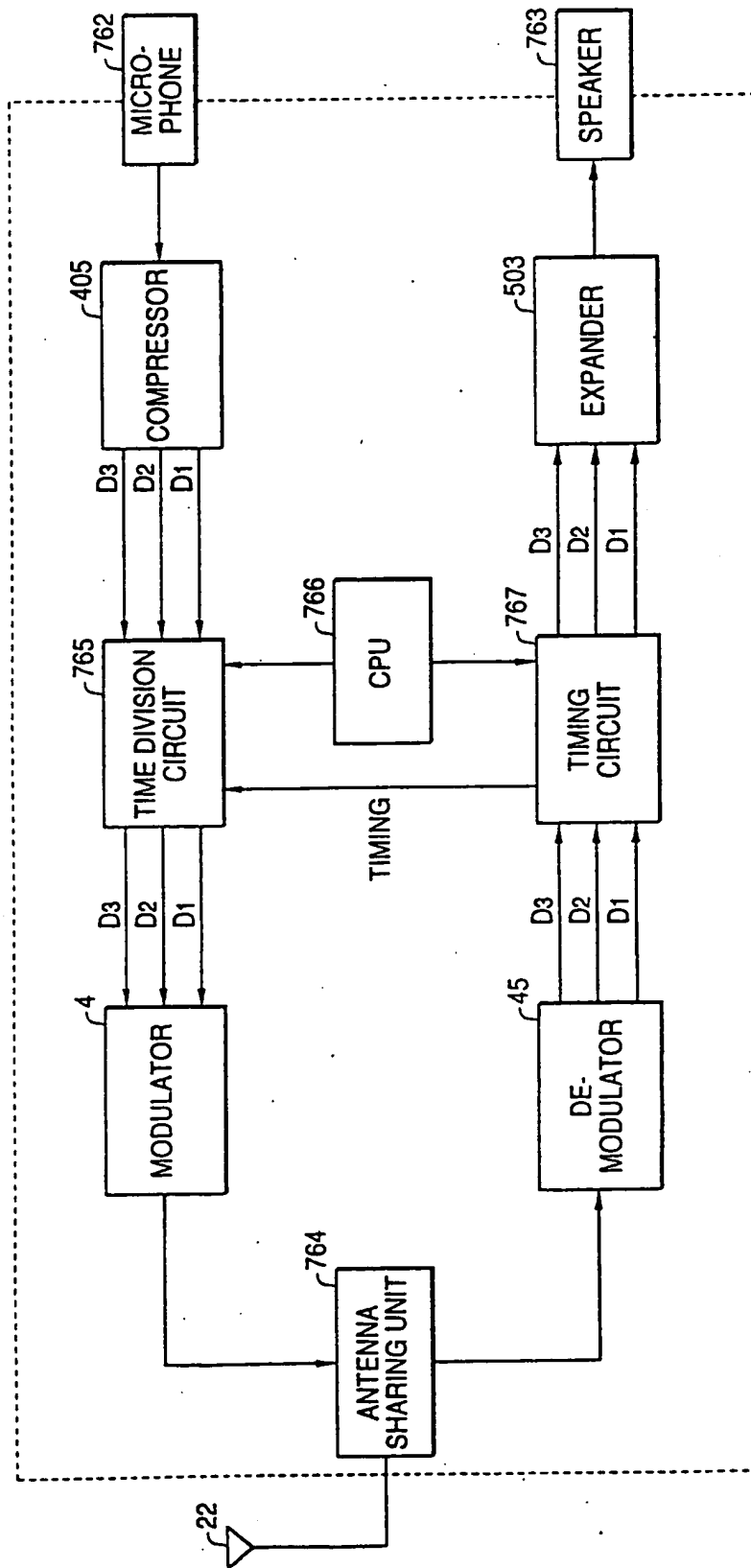


FIG. 116

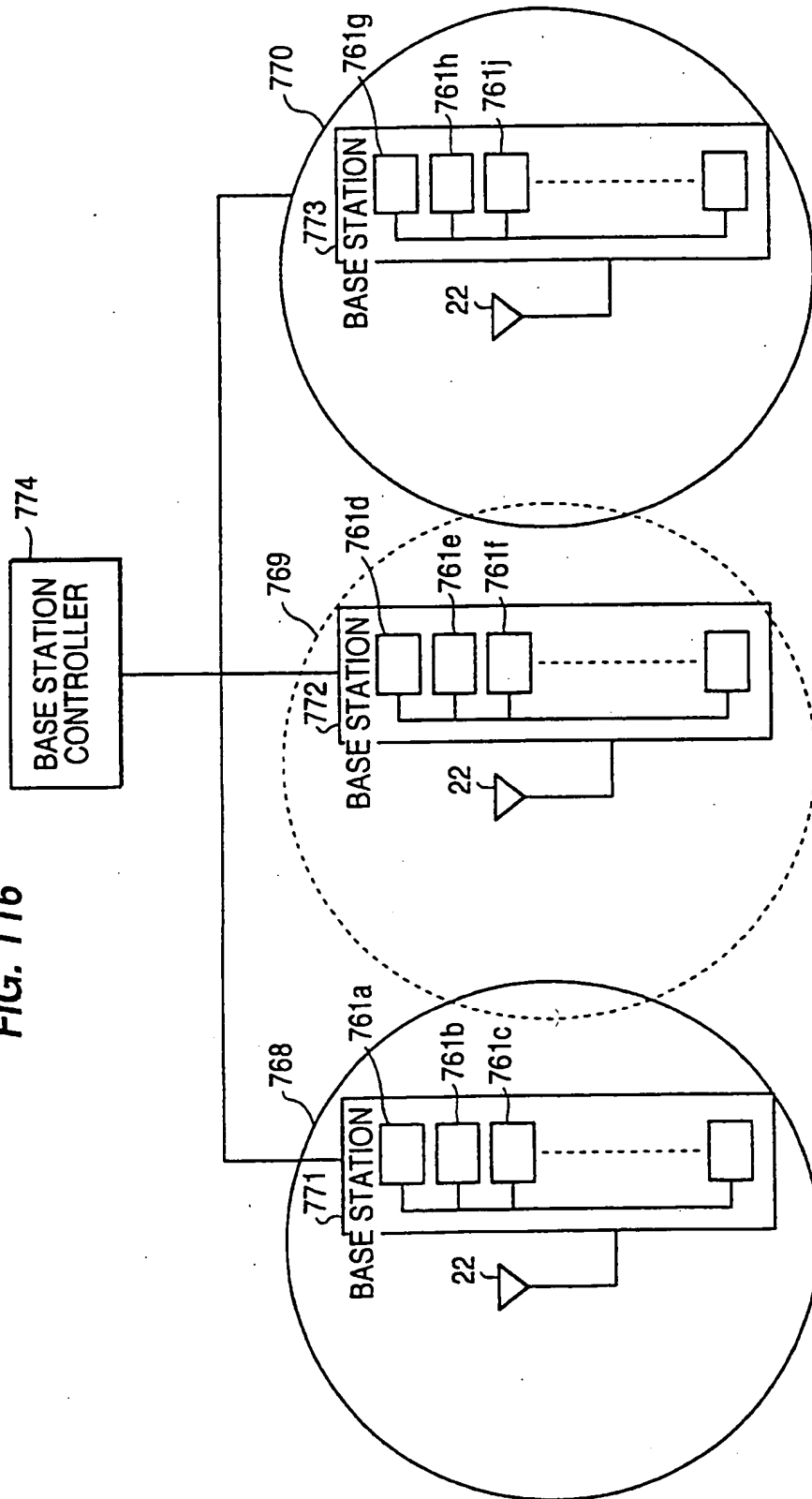


FIG. 117

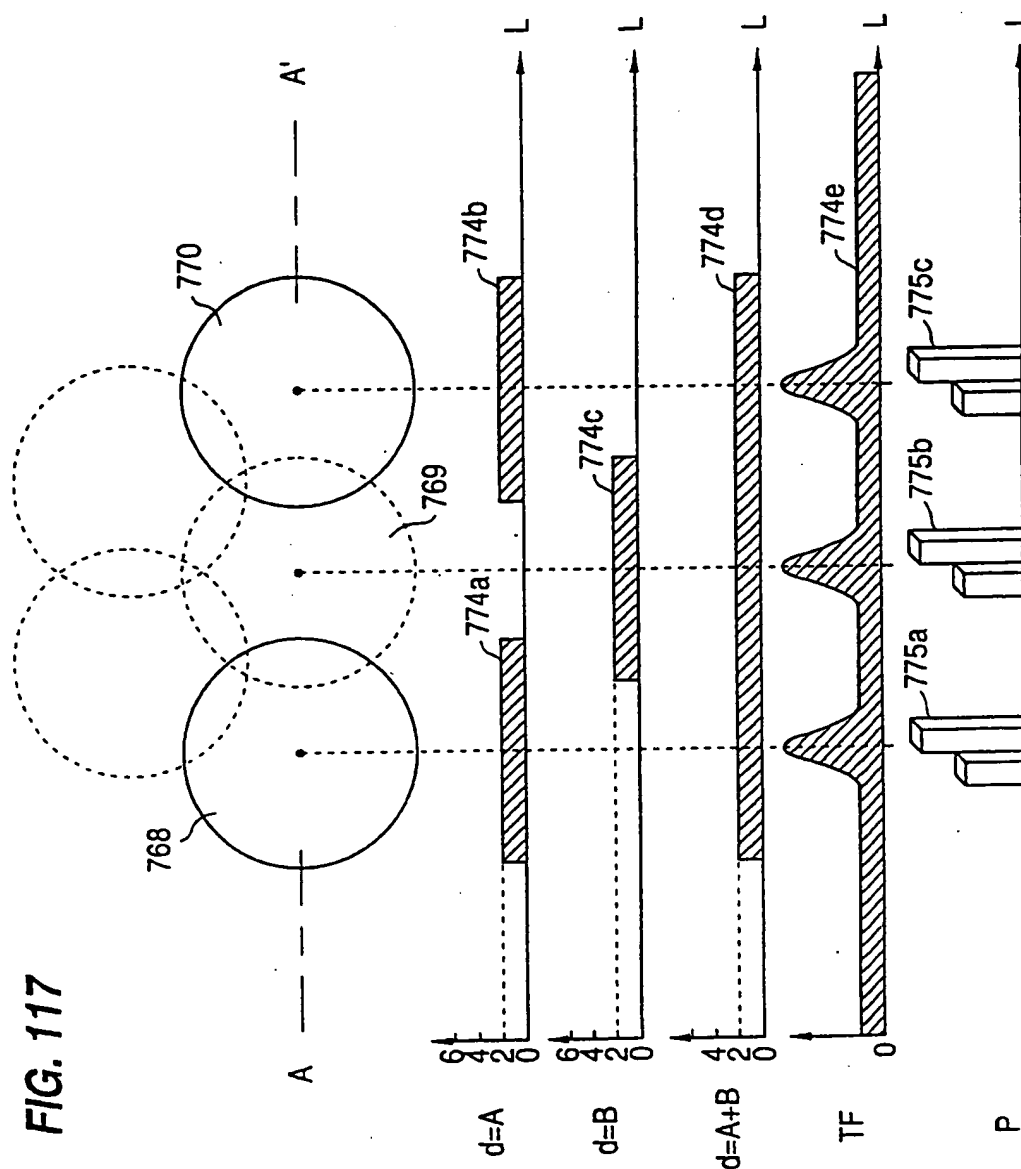


FIG. 118

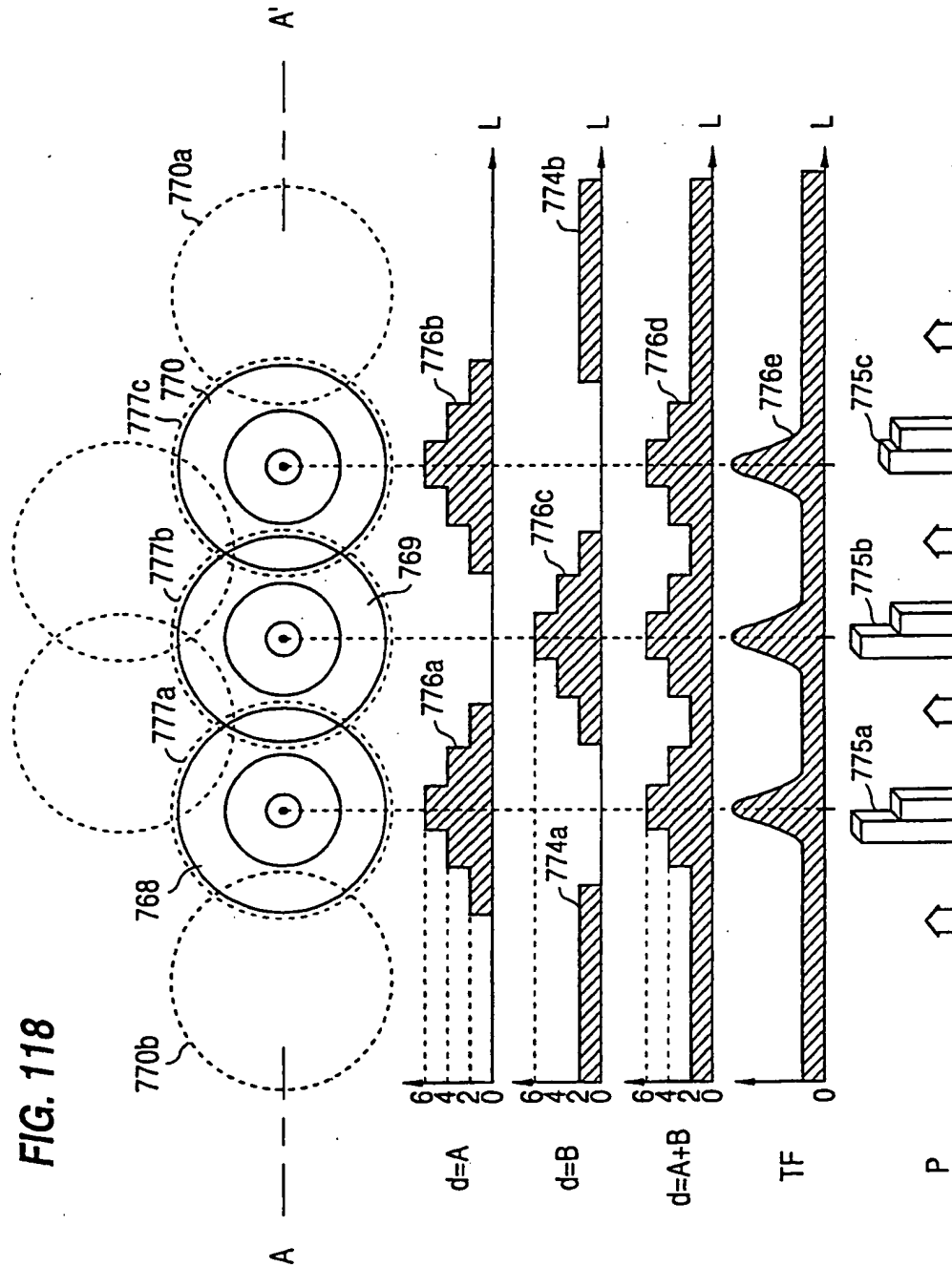


FIG. 119(a)

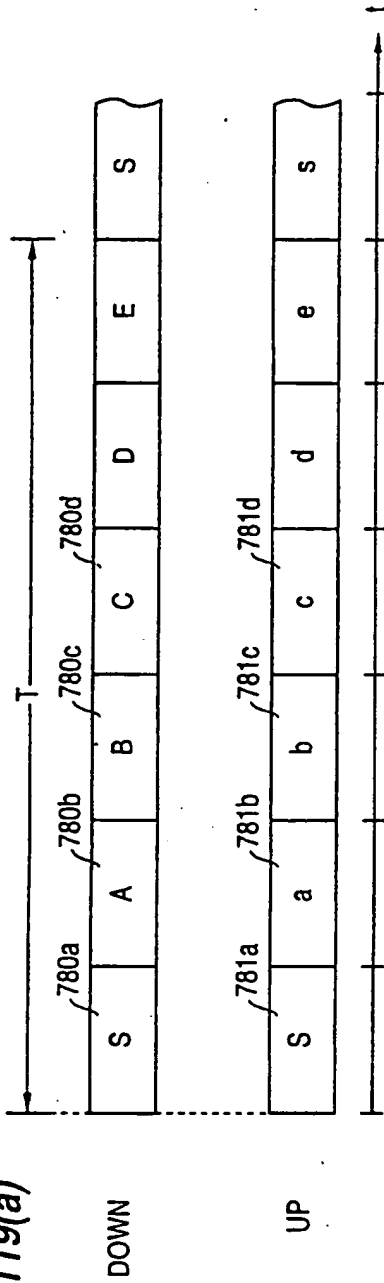


FIG. 119(b)

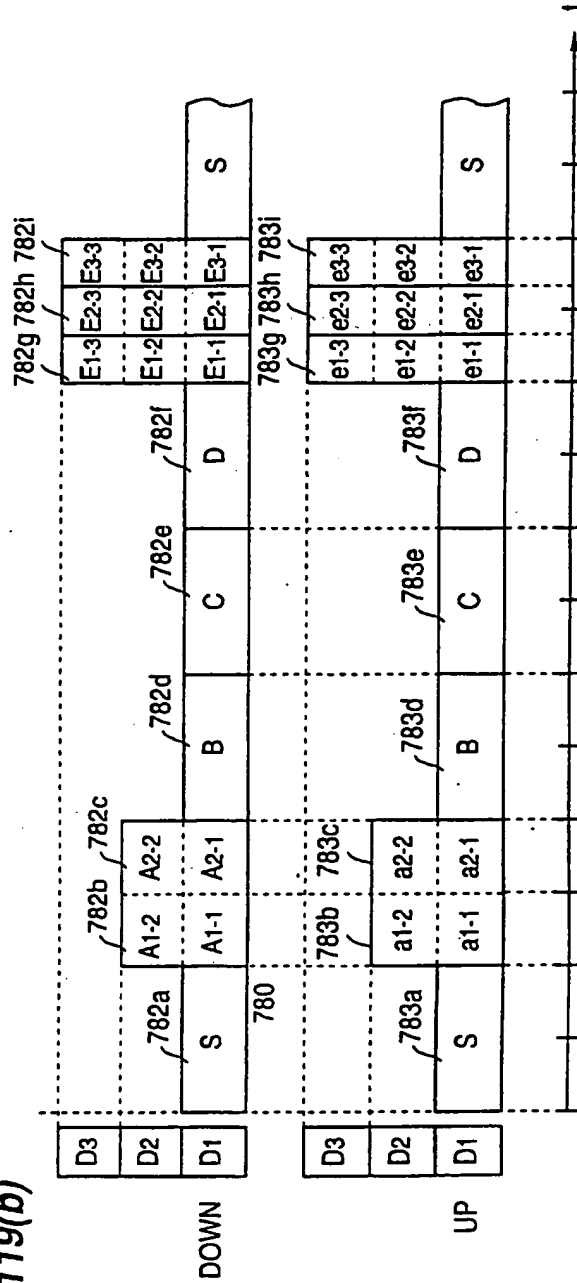


FIG. 120(a)

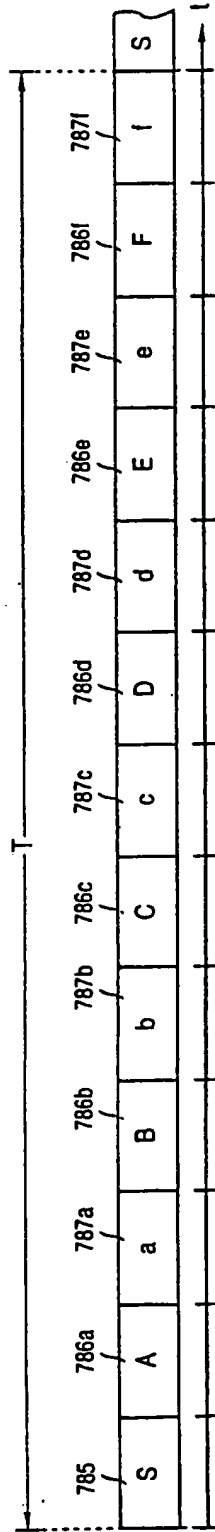


FIG. 120(b)

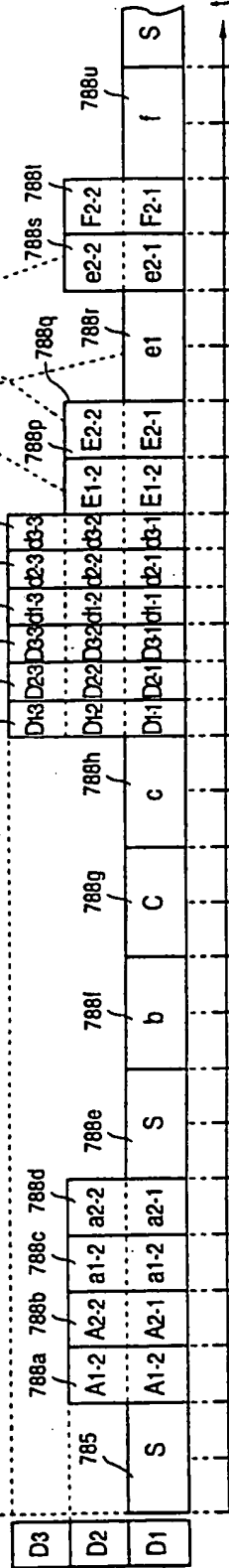


FIG. 121

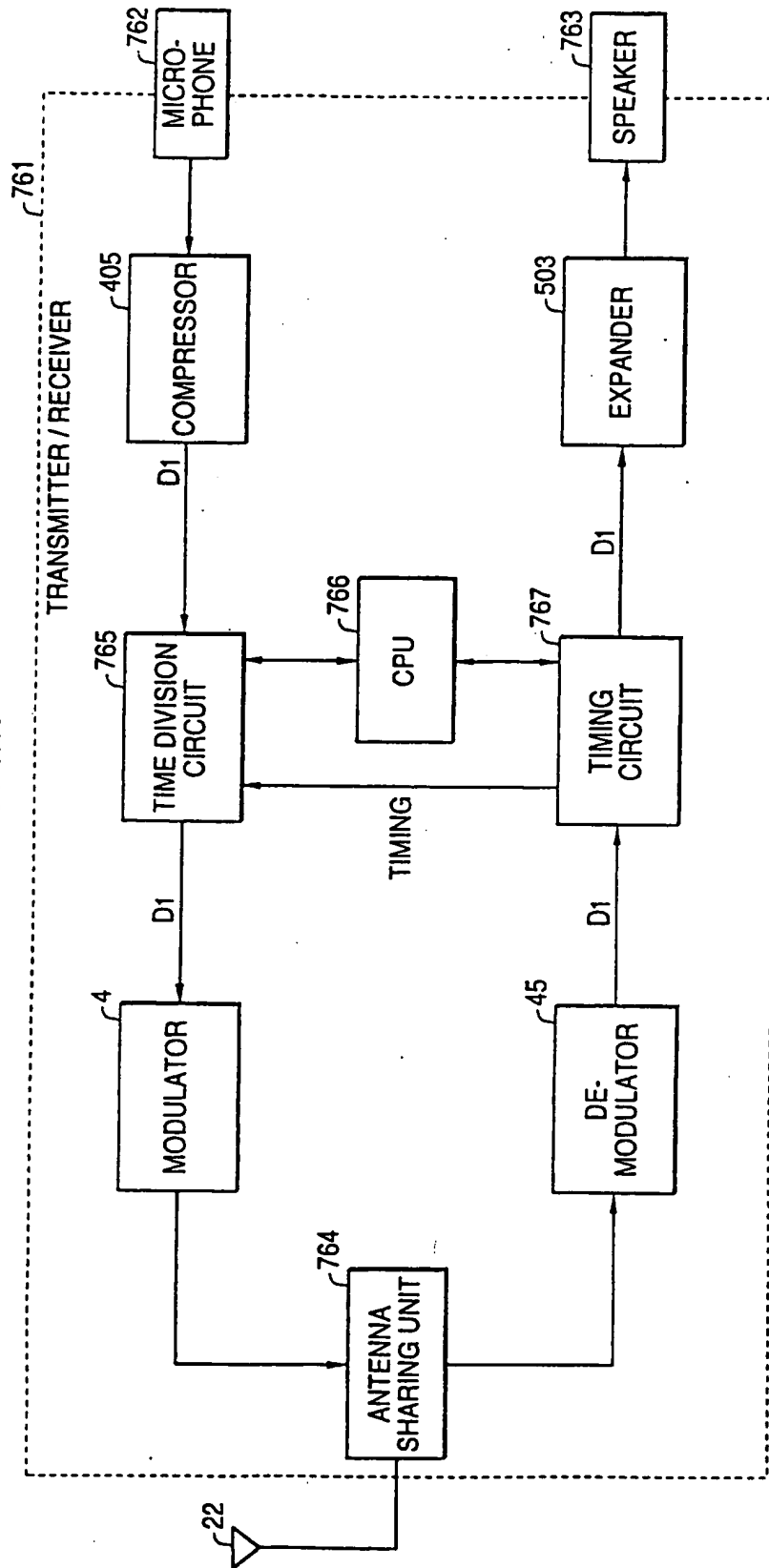


FIG. 122

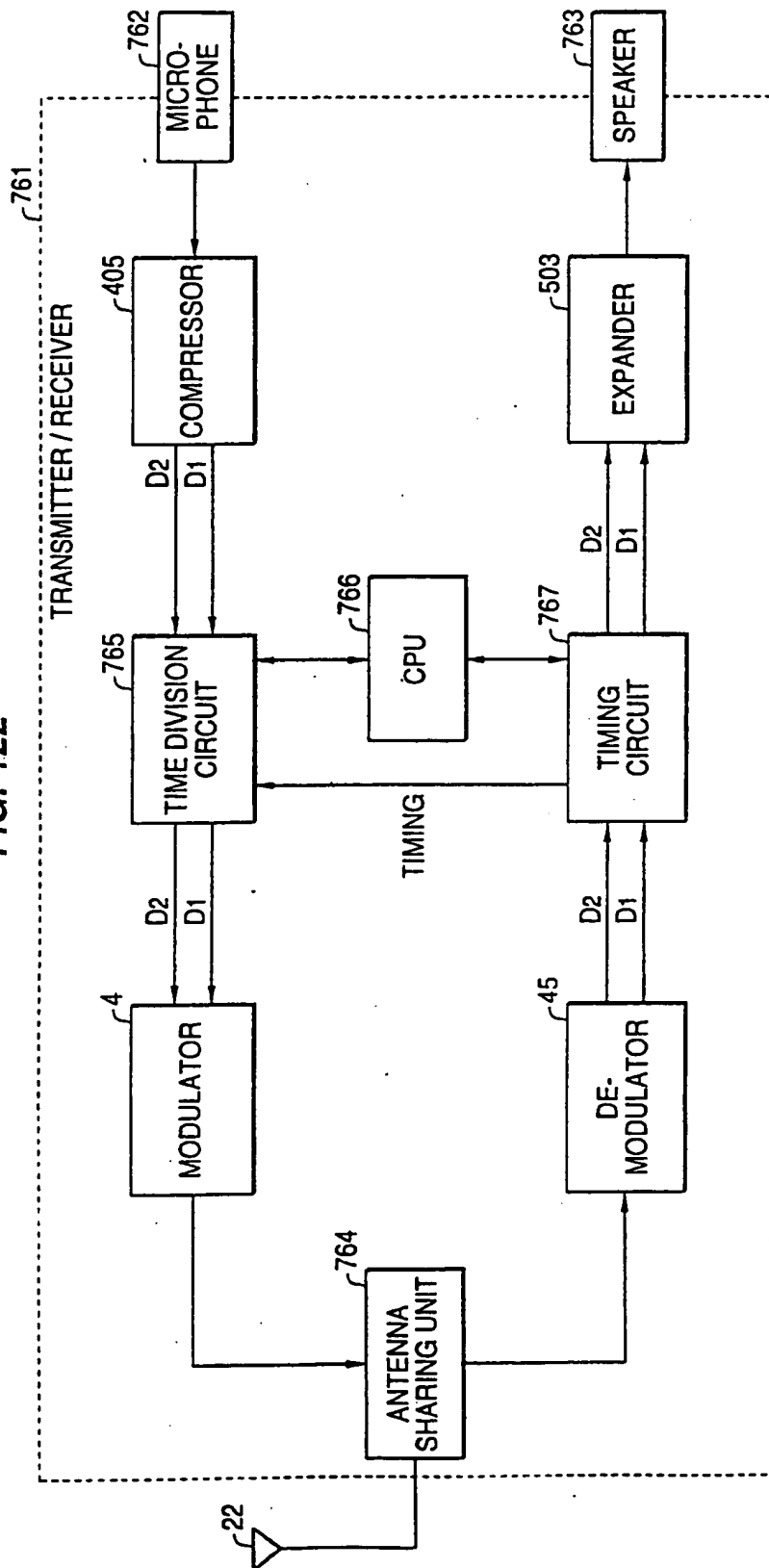


FIG. 123

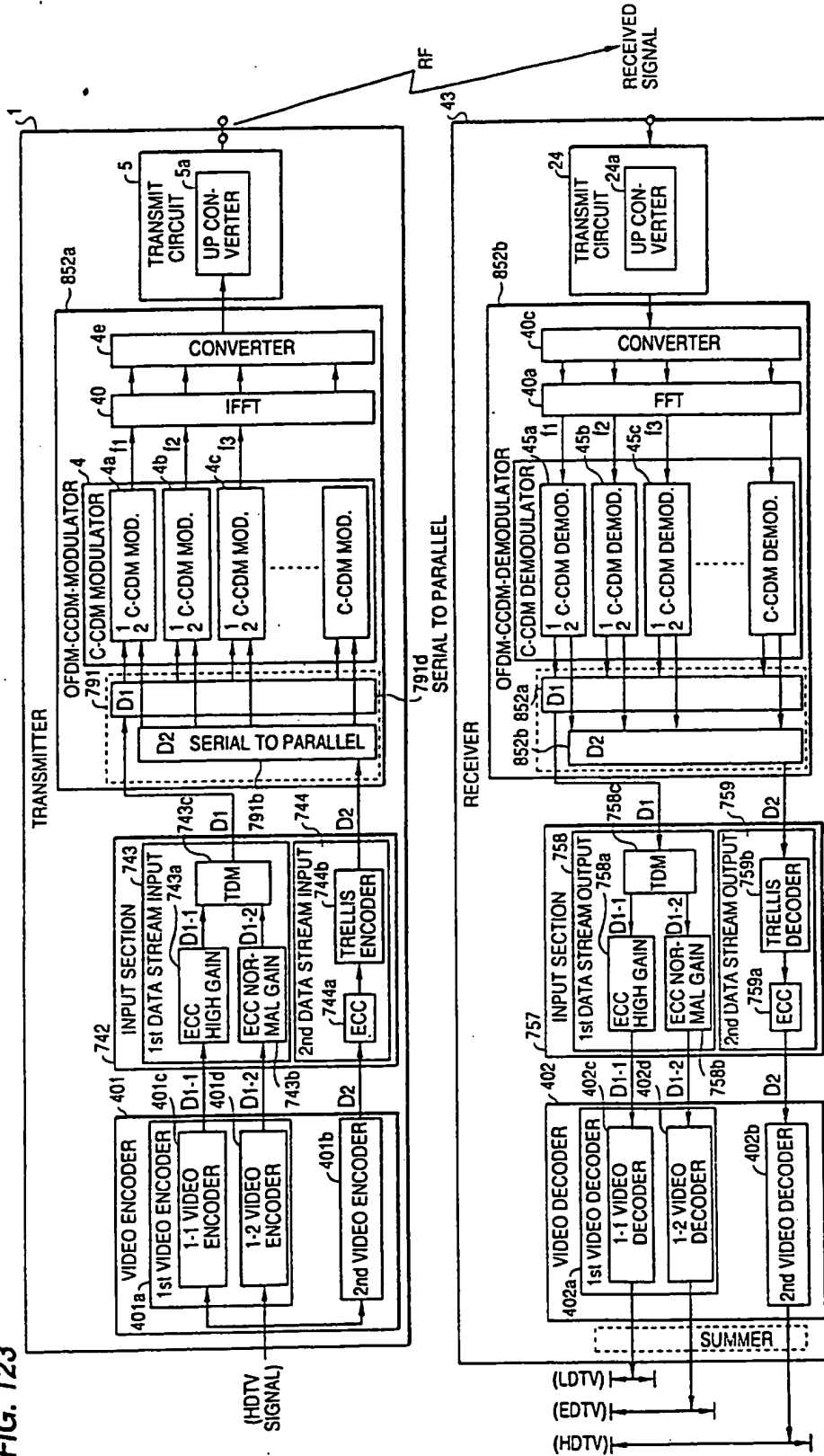


FIG. 125(a)

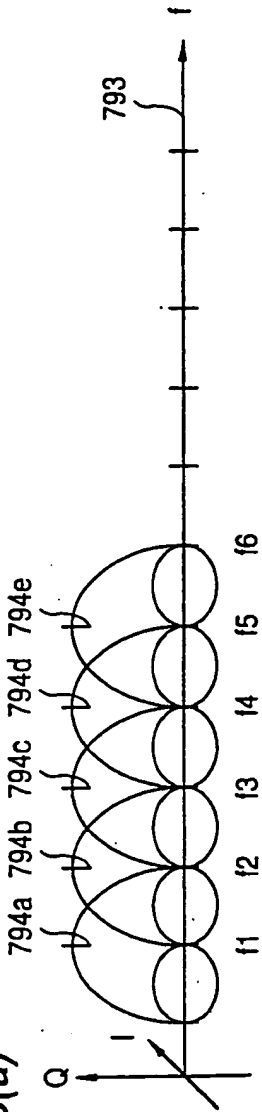
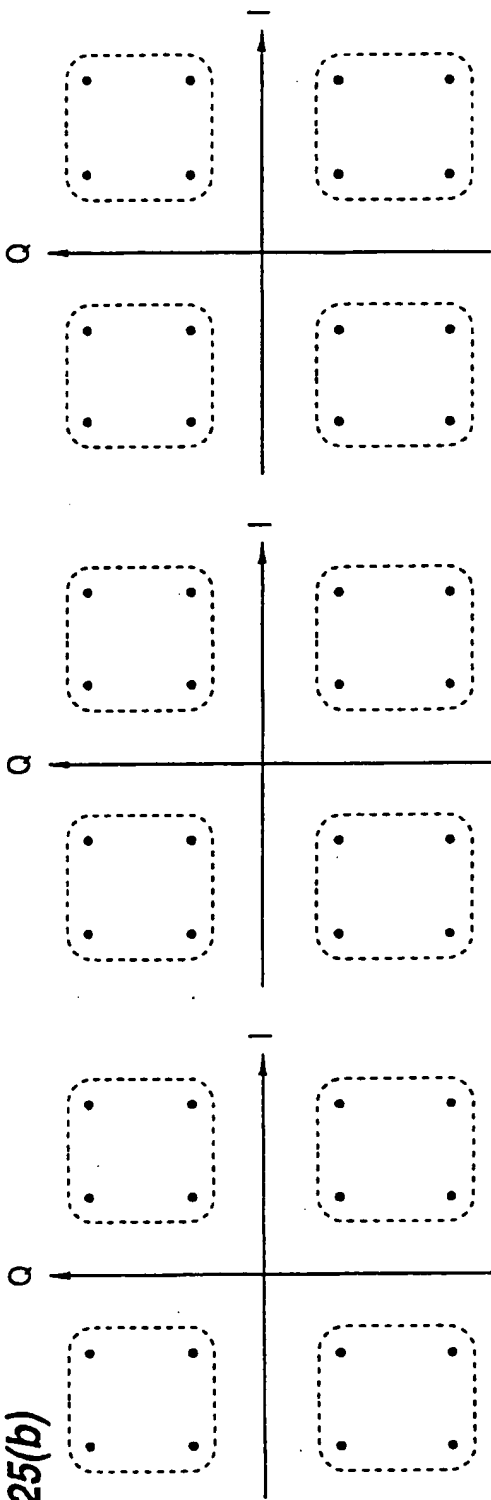


FIG. 125(b)



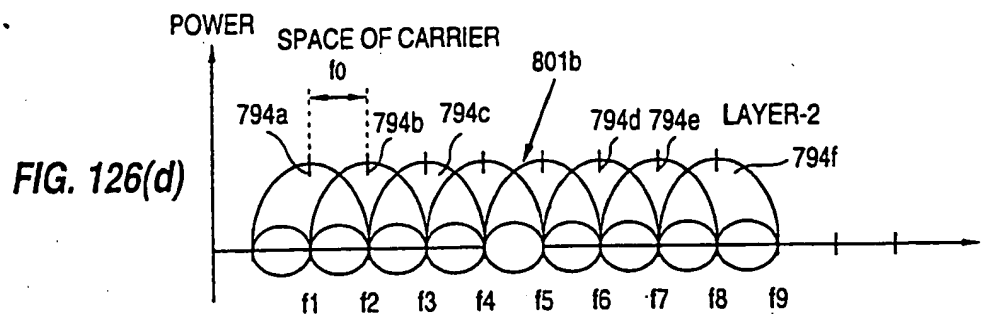
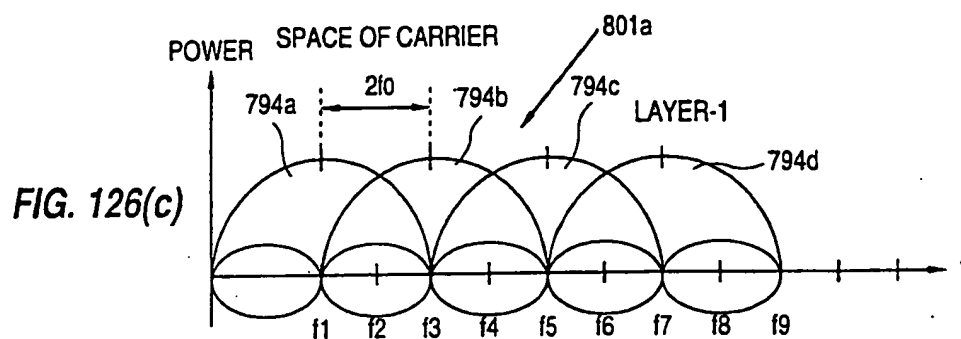
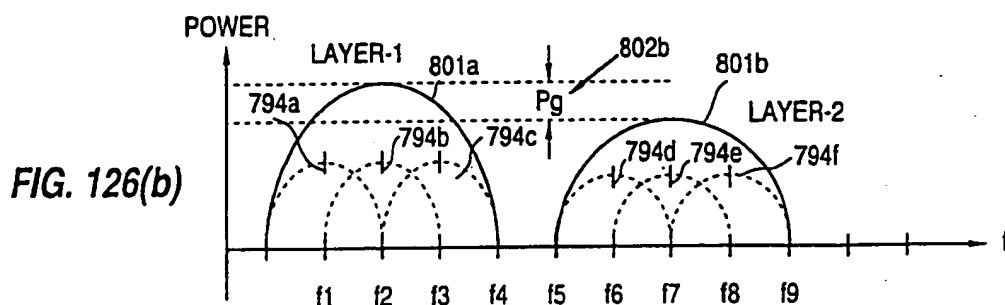
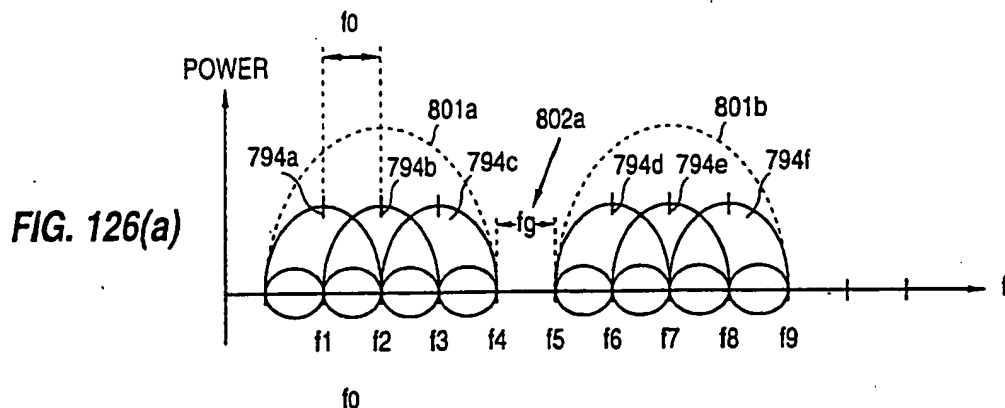


FIG. 127

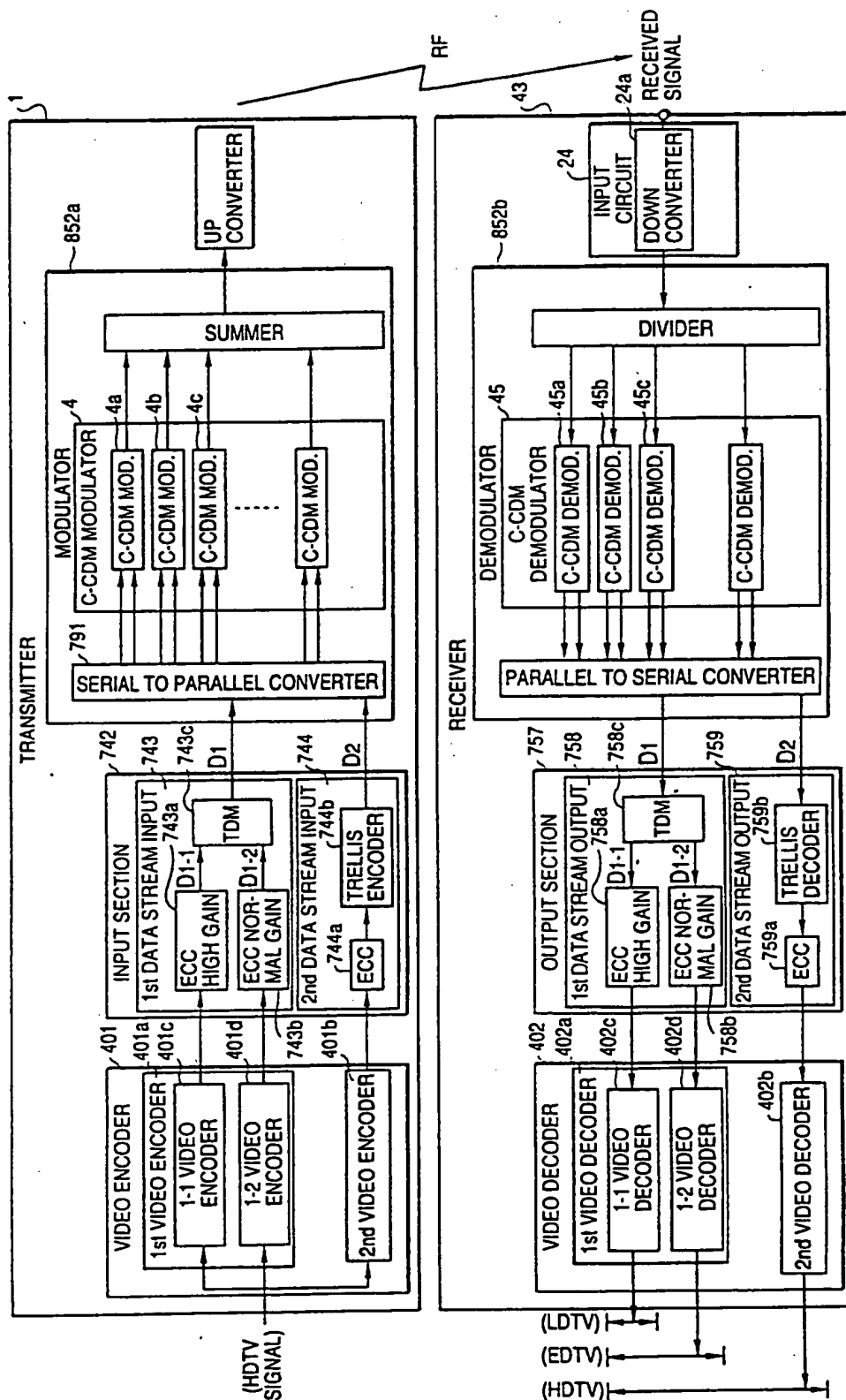


FIG. 128(a)

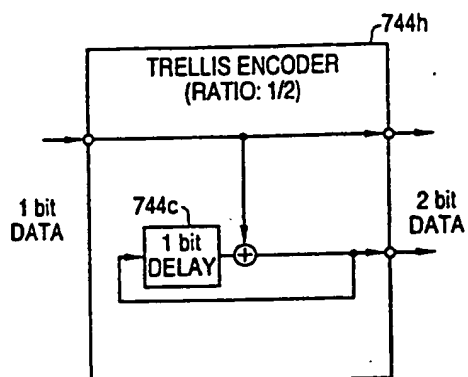


FIG. 128(d)

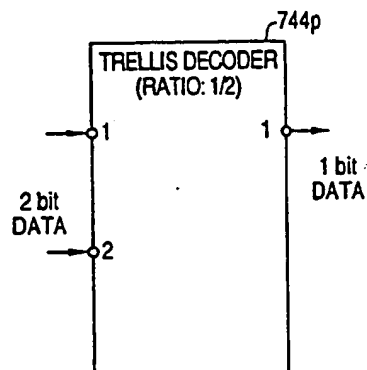


FIG. 128(b)

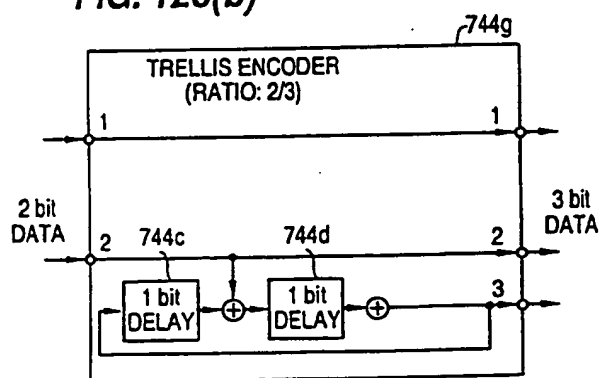


FIG. 128(e)

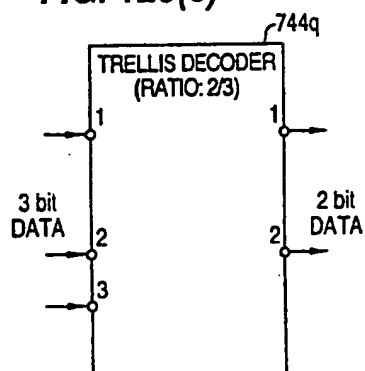


FIG. 128(c)

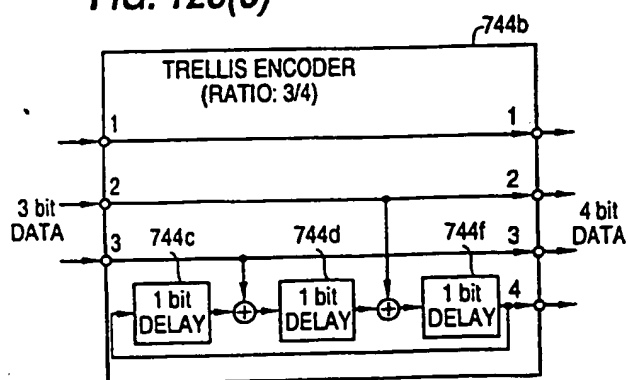


FIG. 128(f)

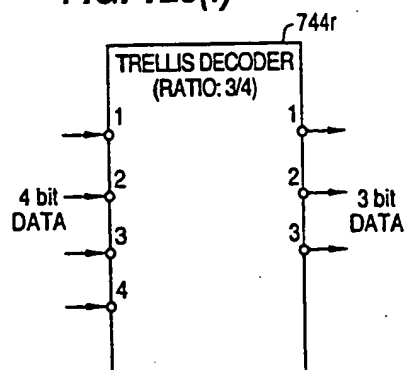


FIG. 129

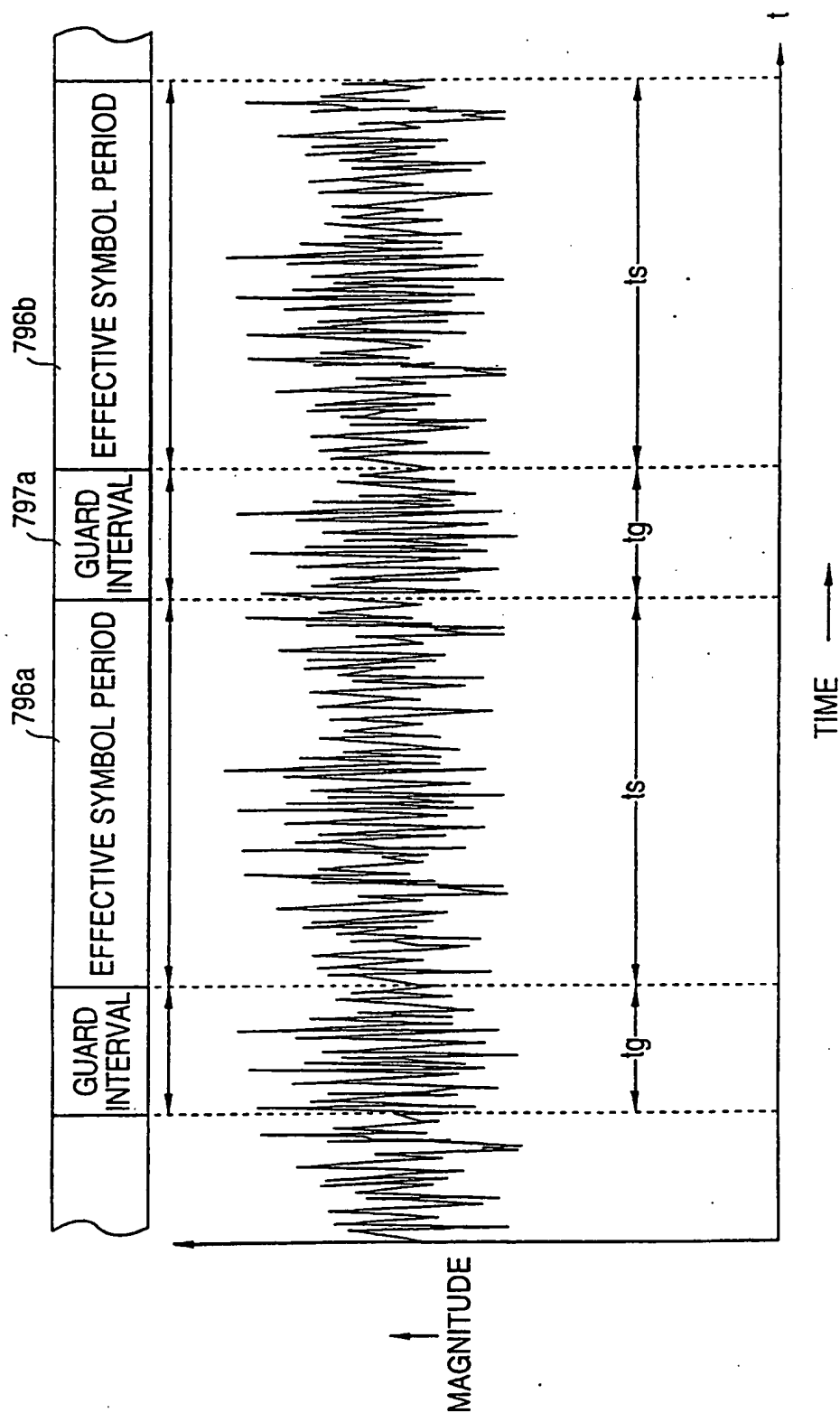


FIG. 130

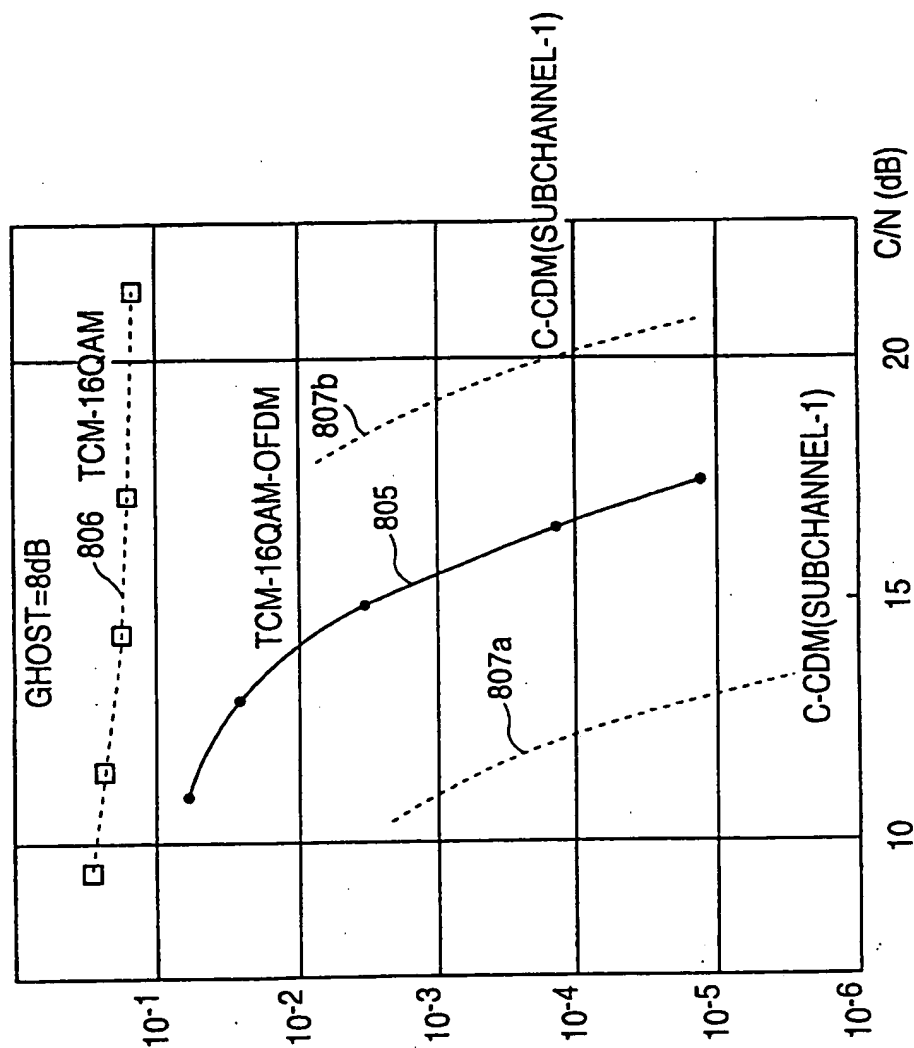
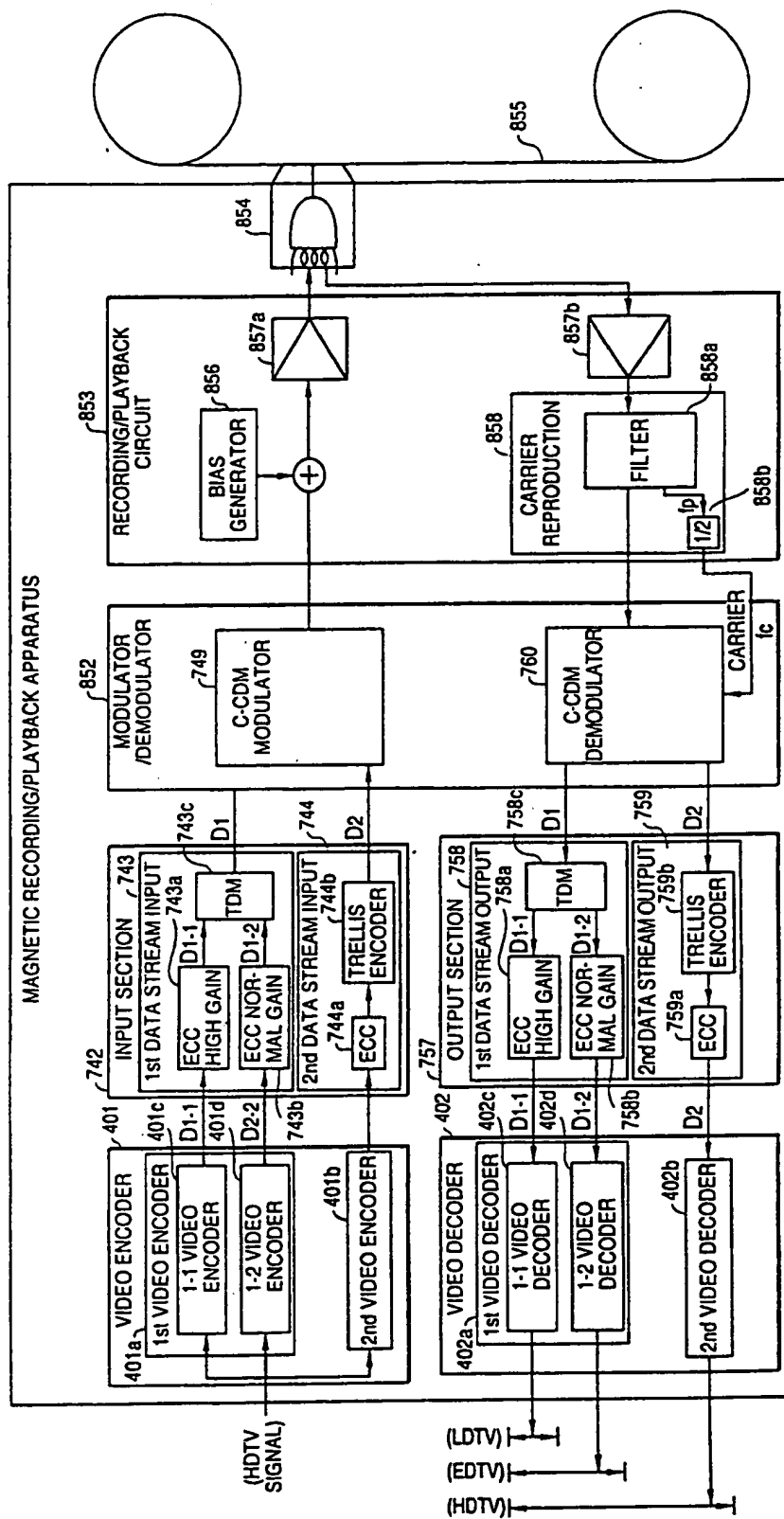


FIG. 131



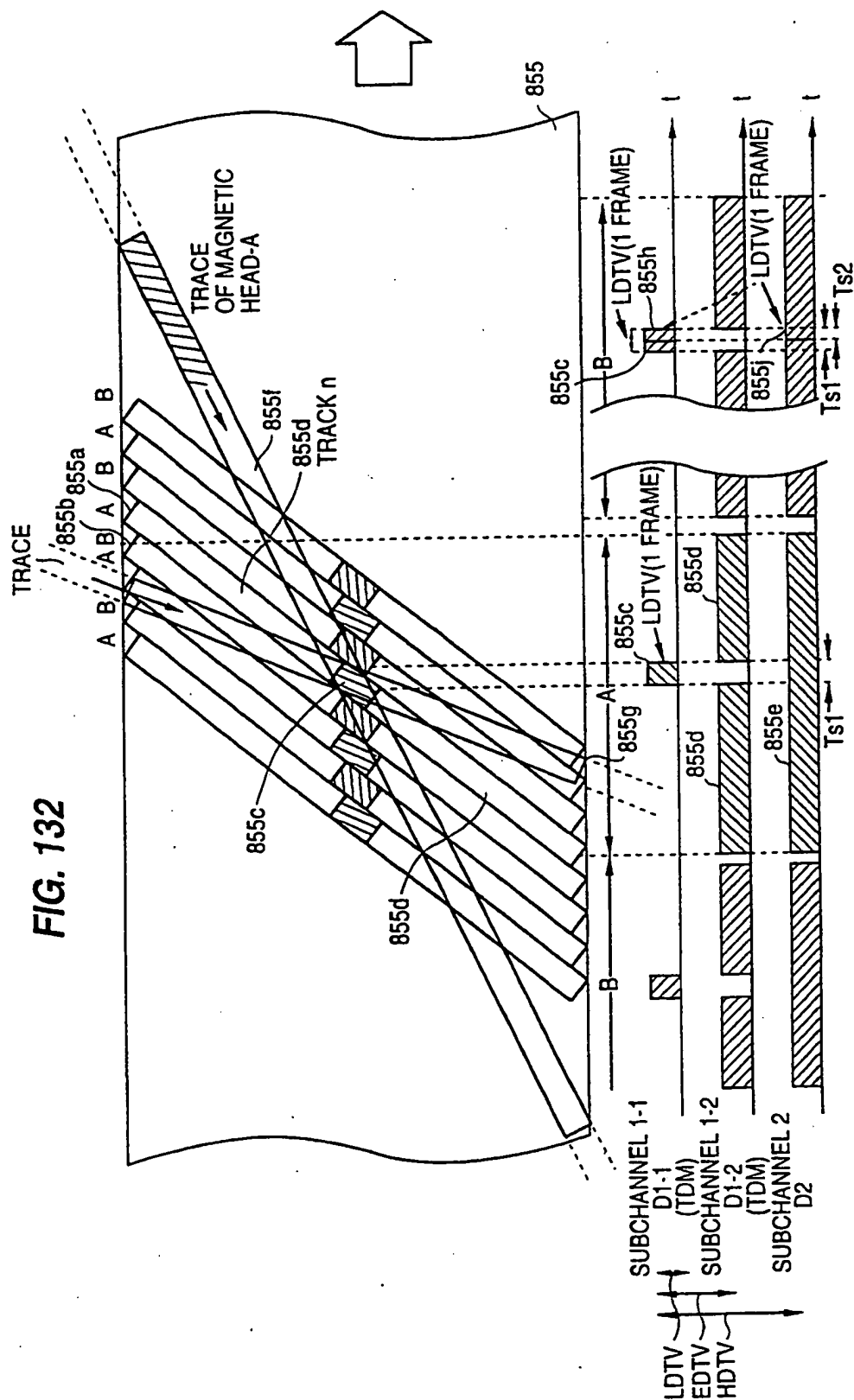


FIG. 133

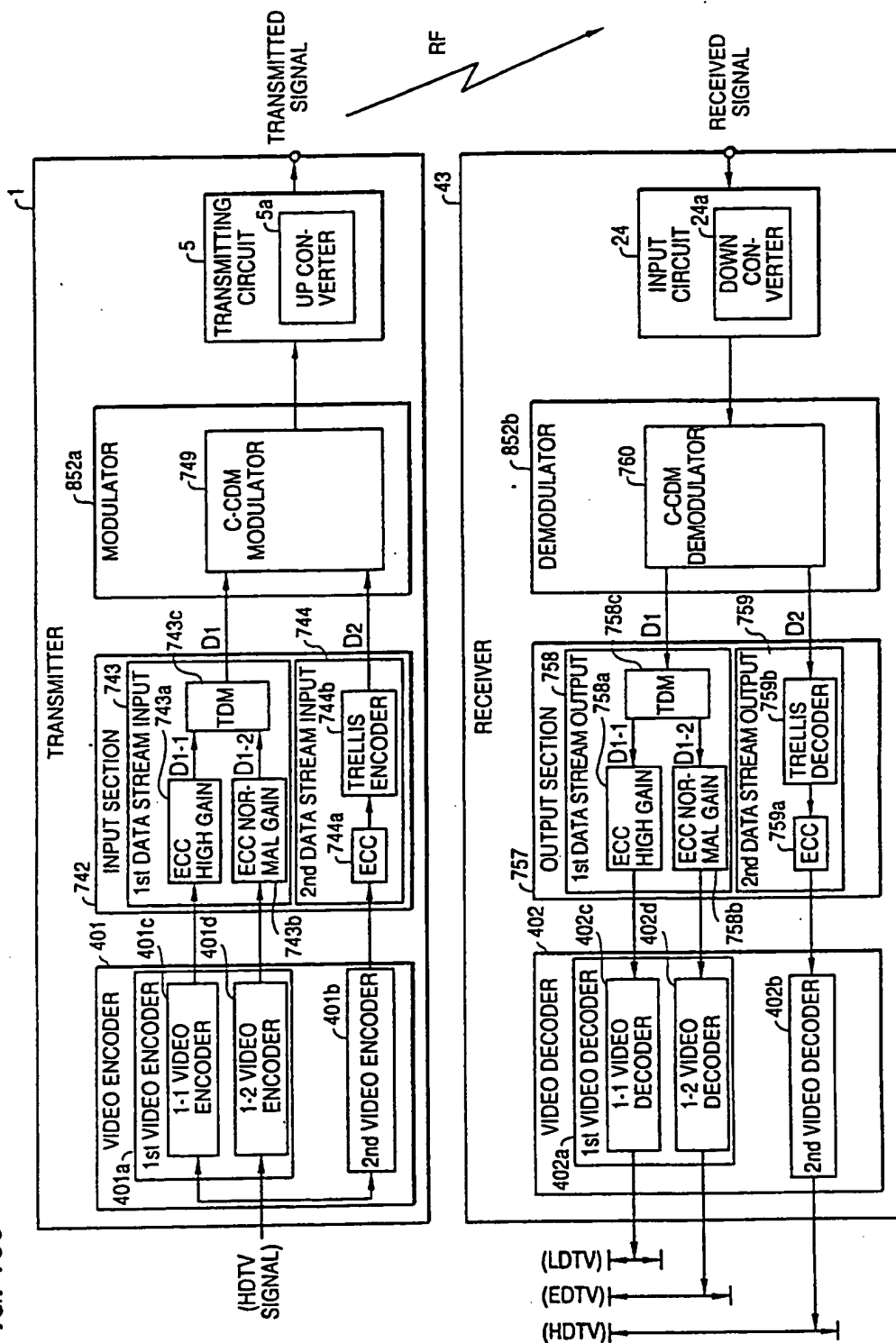


FIG. 134

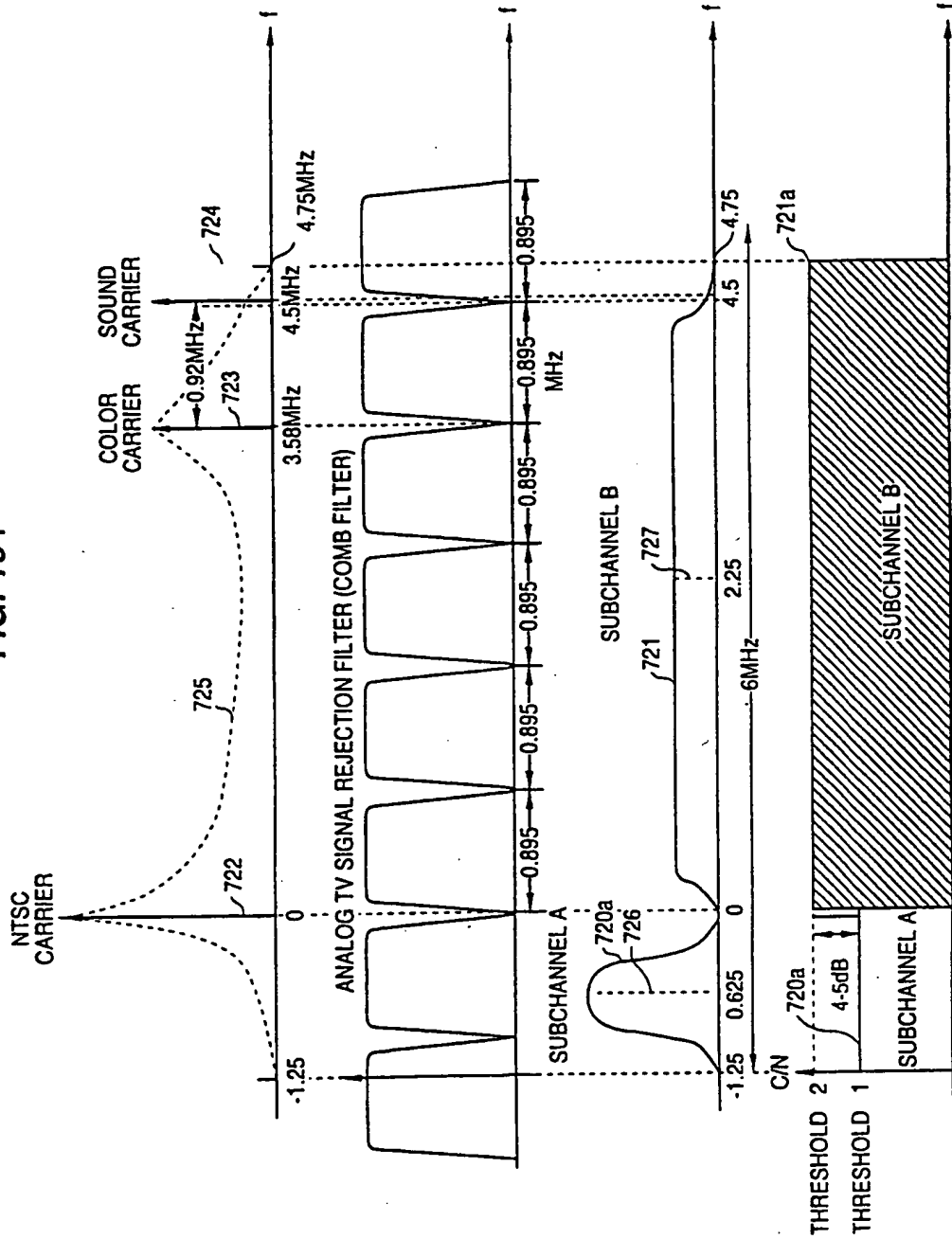


FIG. 135

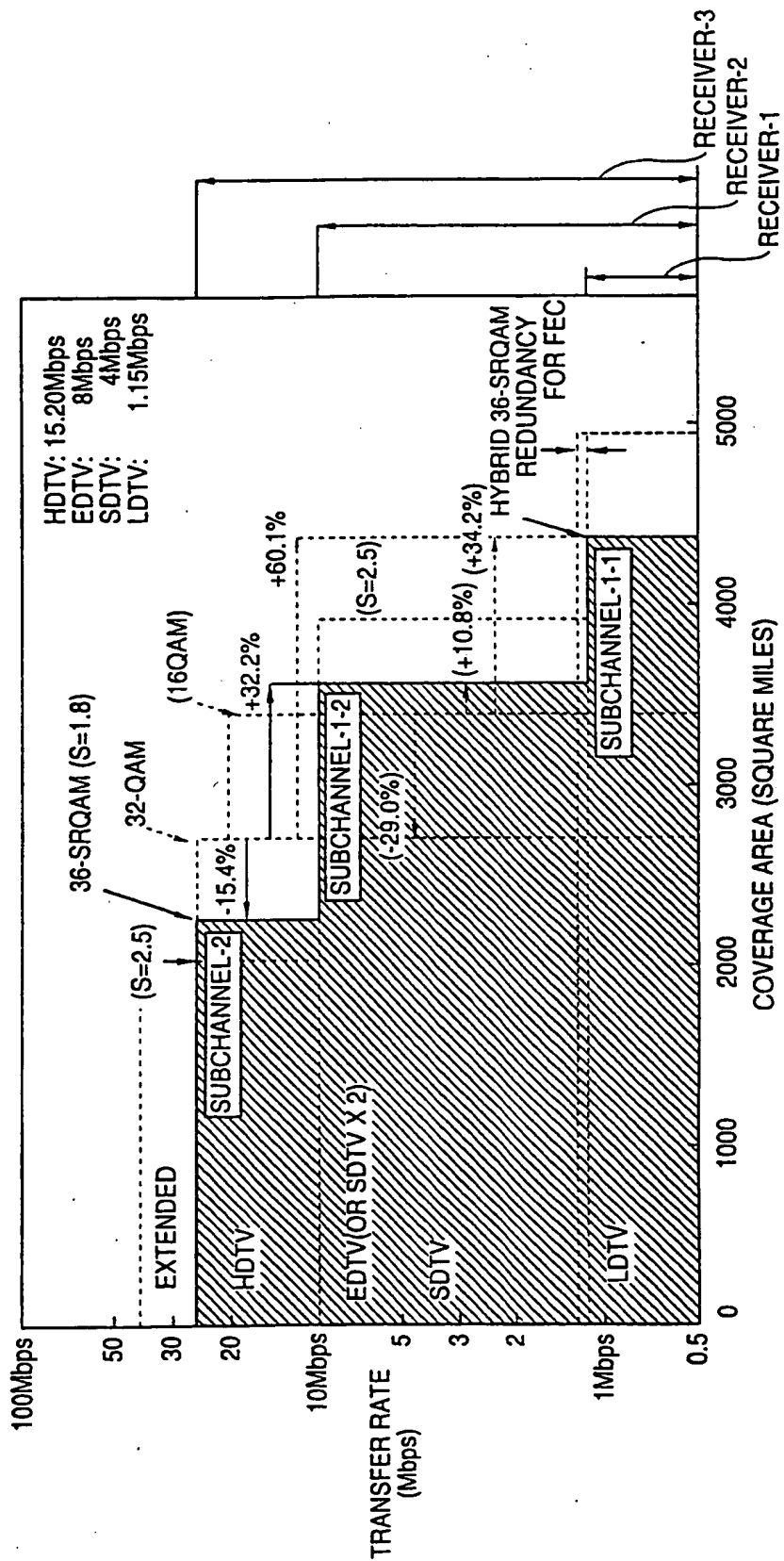


FIG. 136

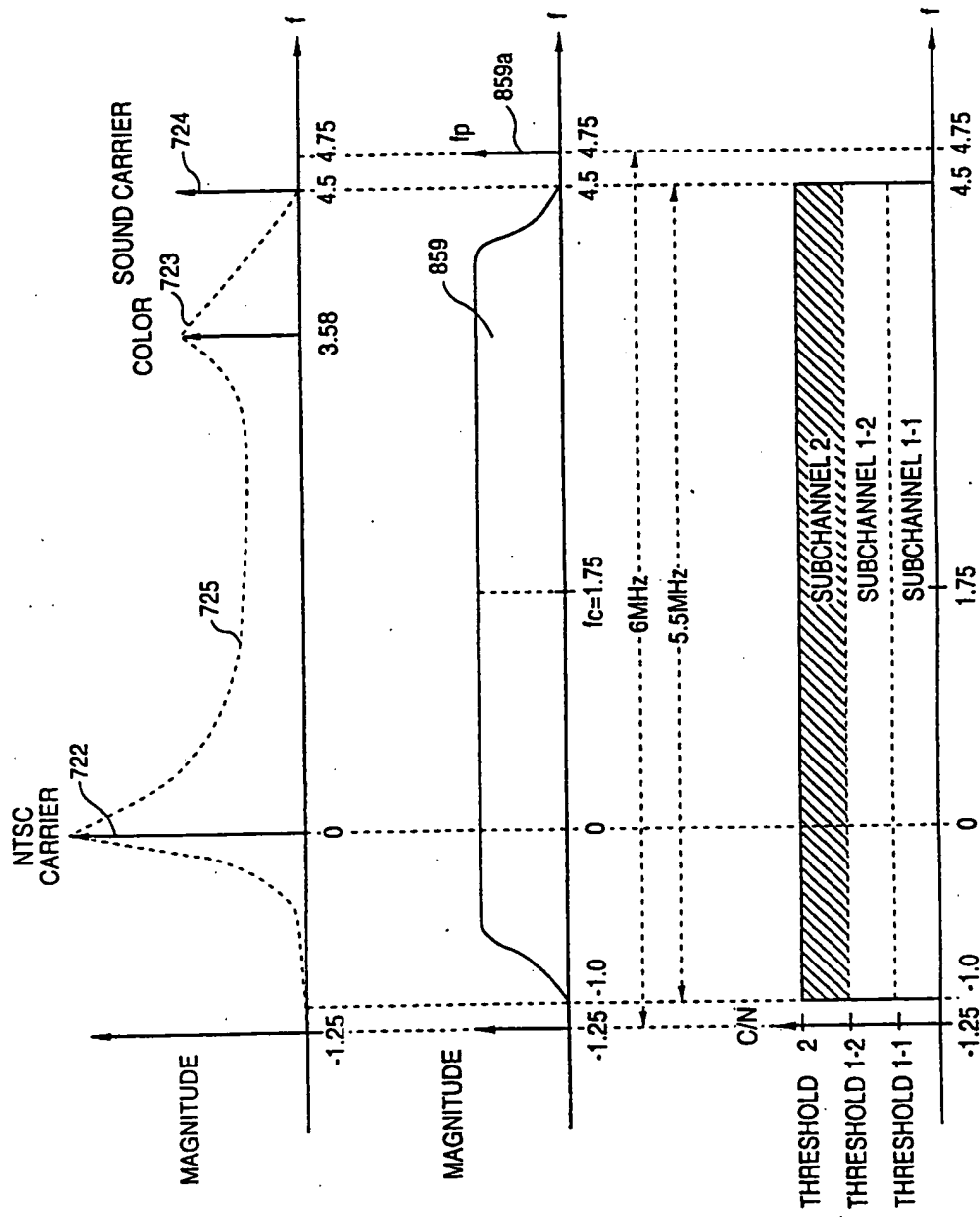


FIG. 137

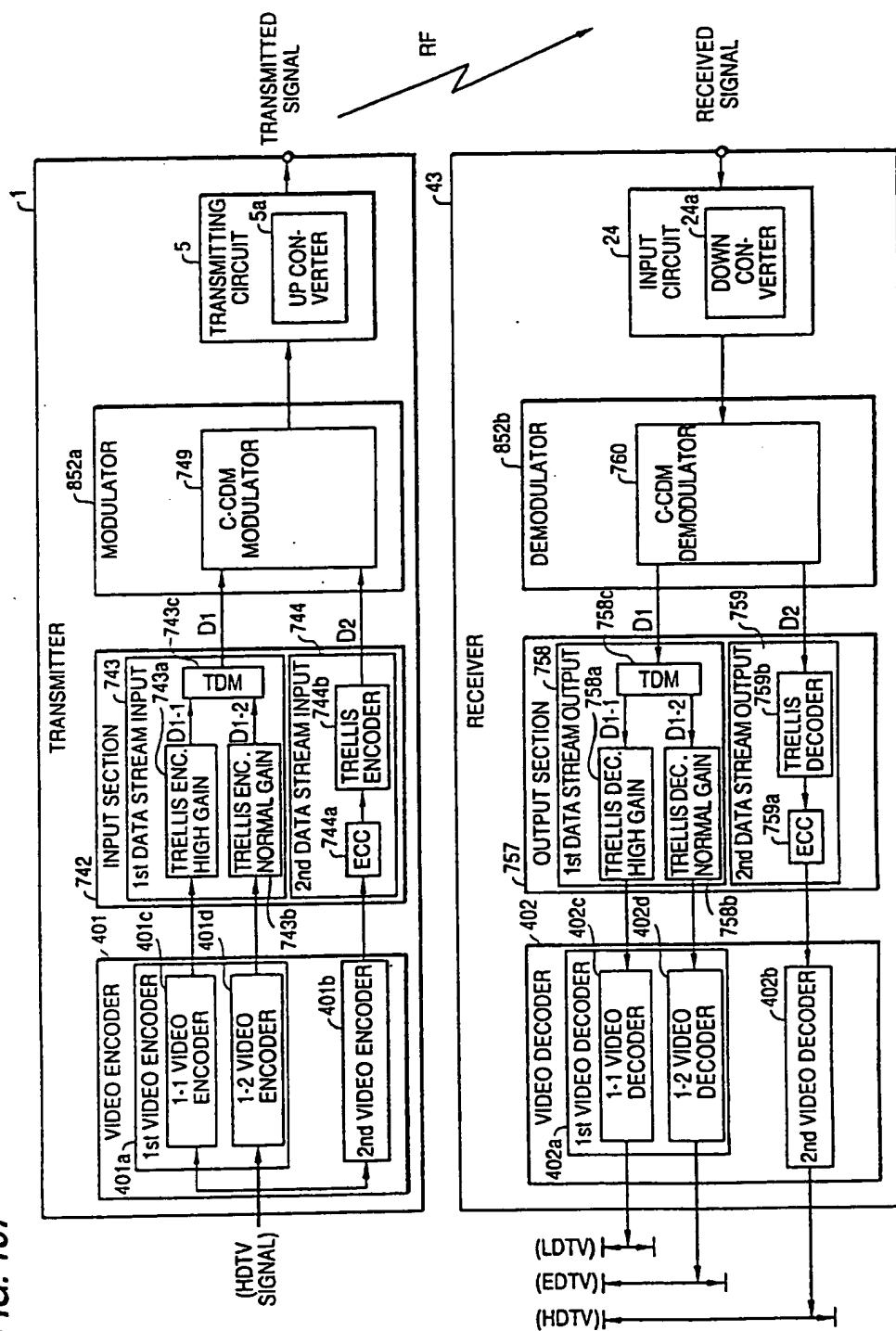


FIG. 138

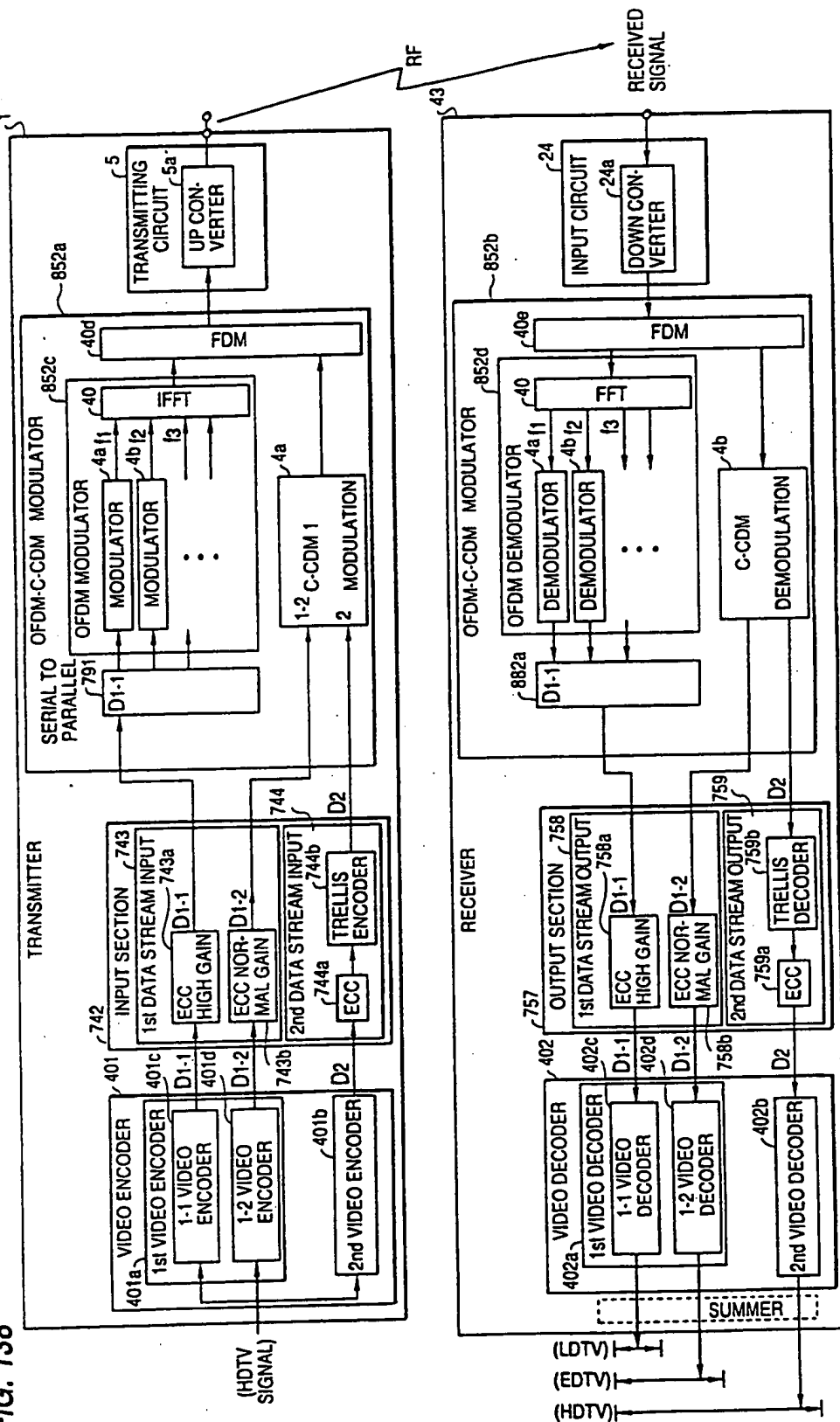


FIG. 139

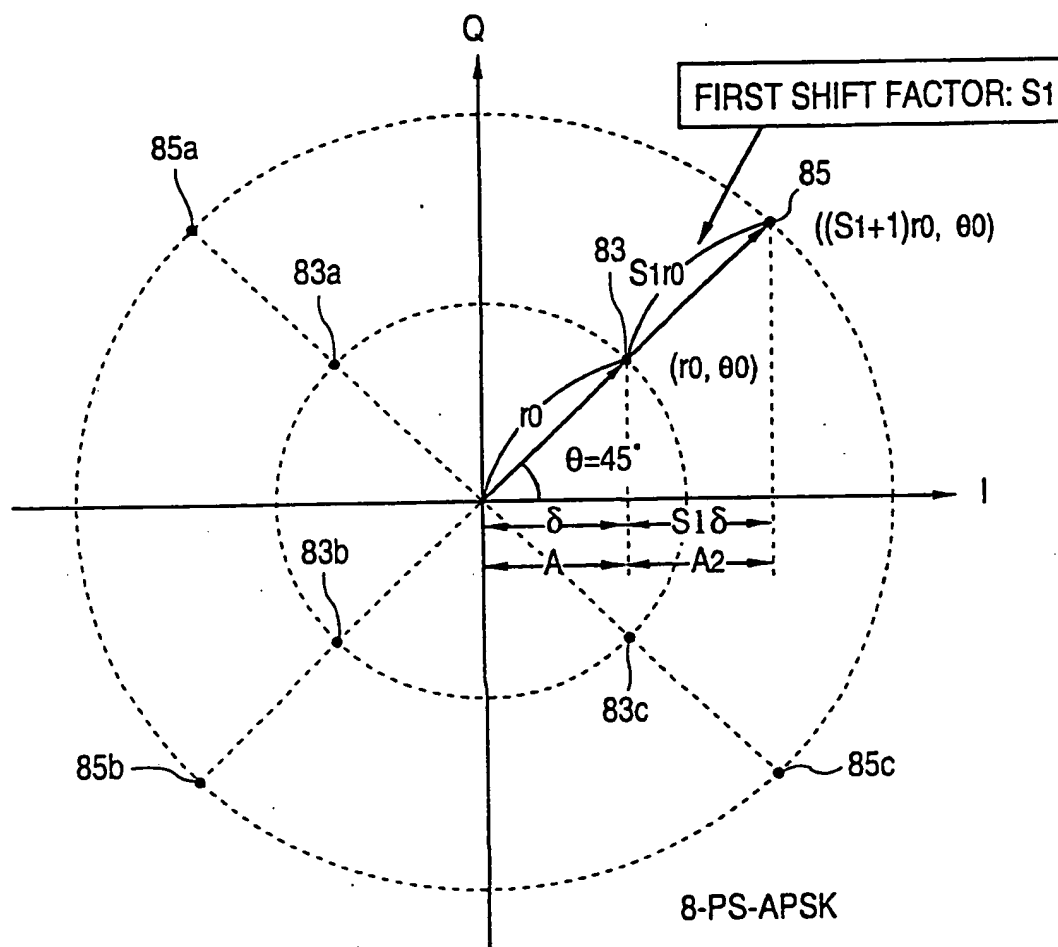


FIG. 140

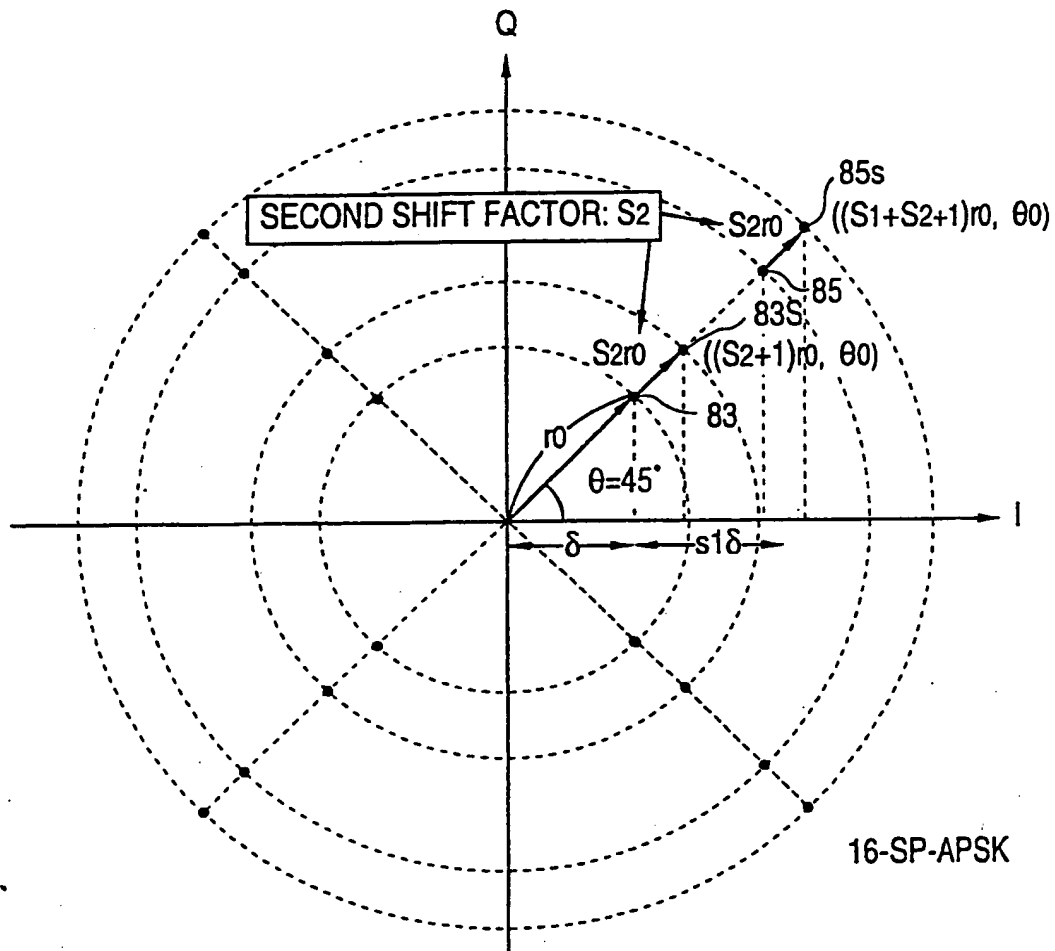


FIG. 141

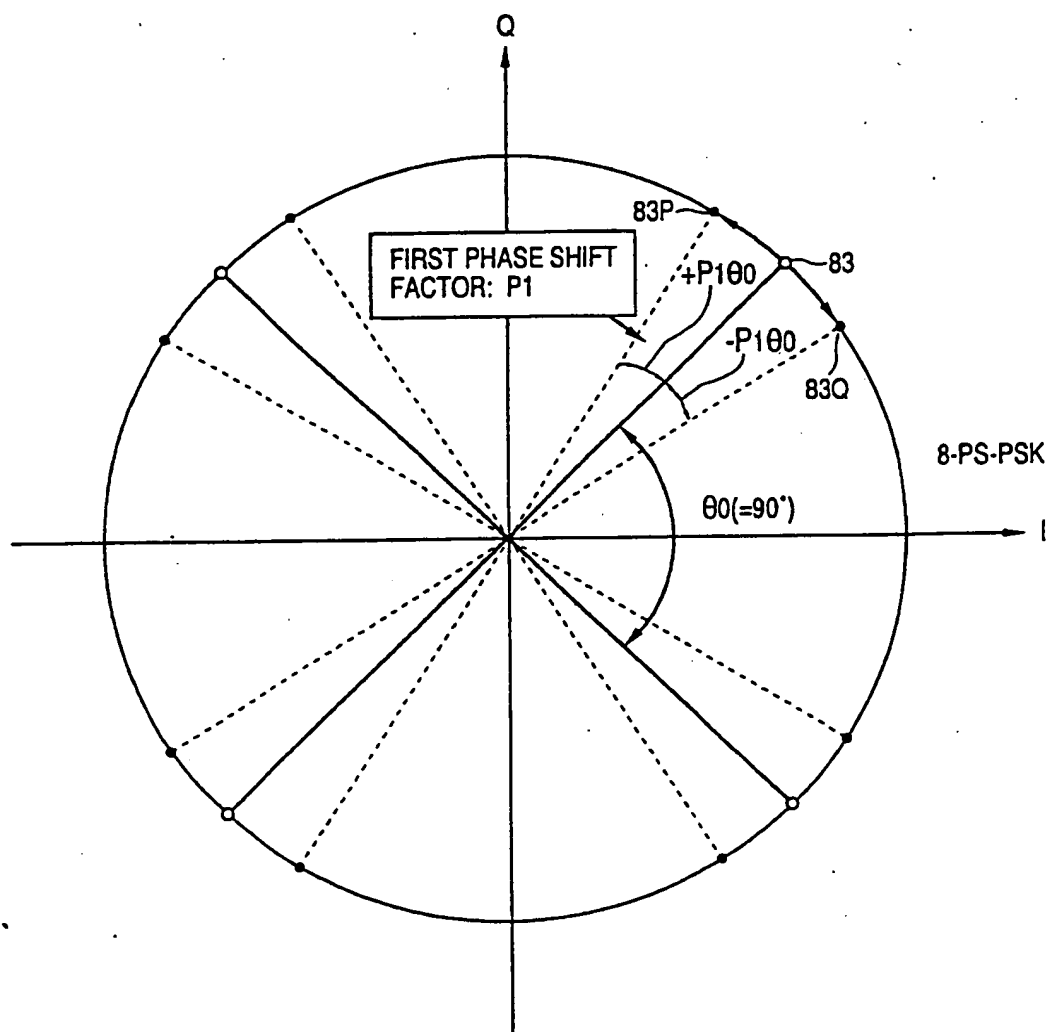


FIG. 142

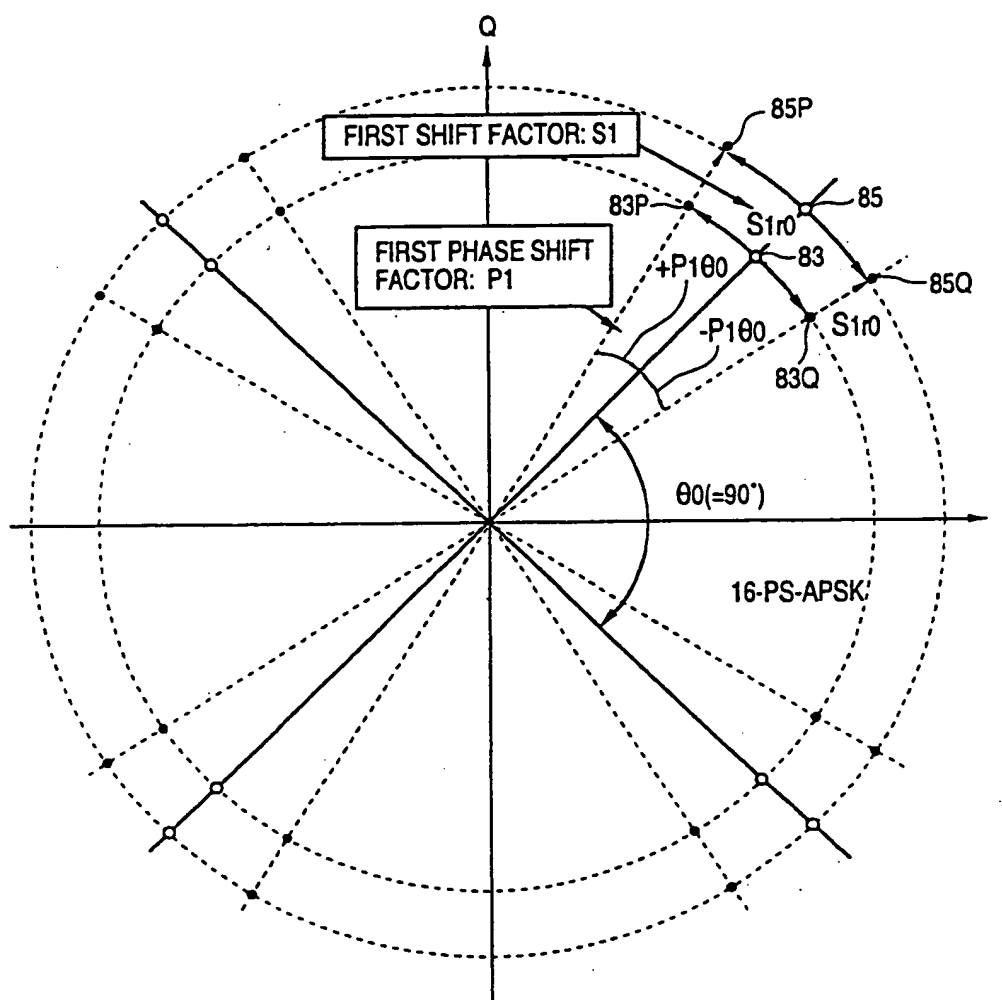


FIG. 143

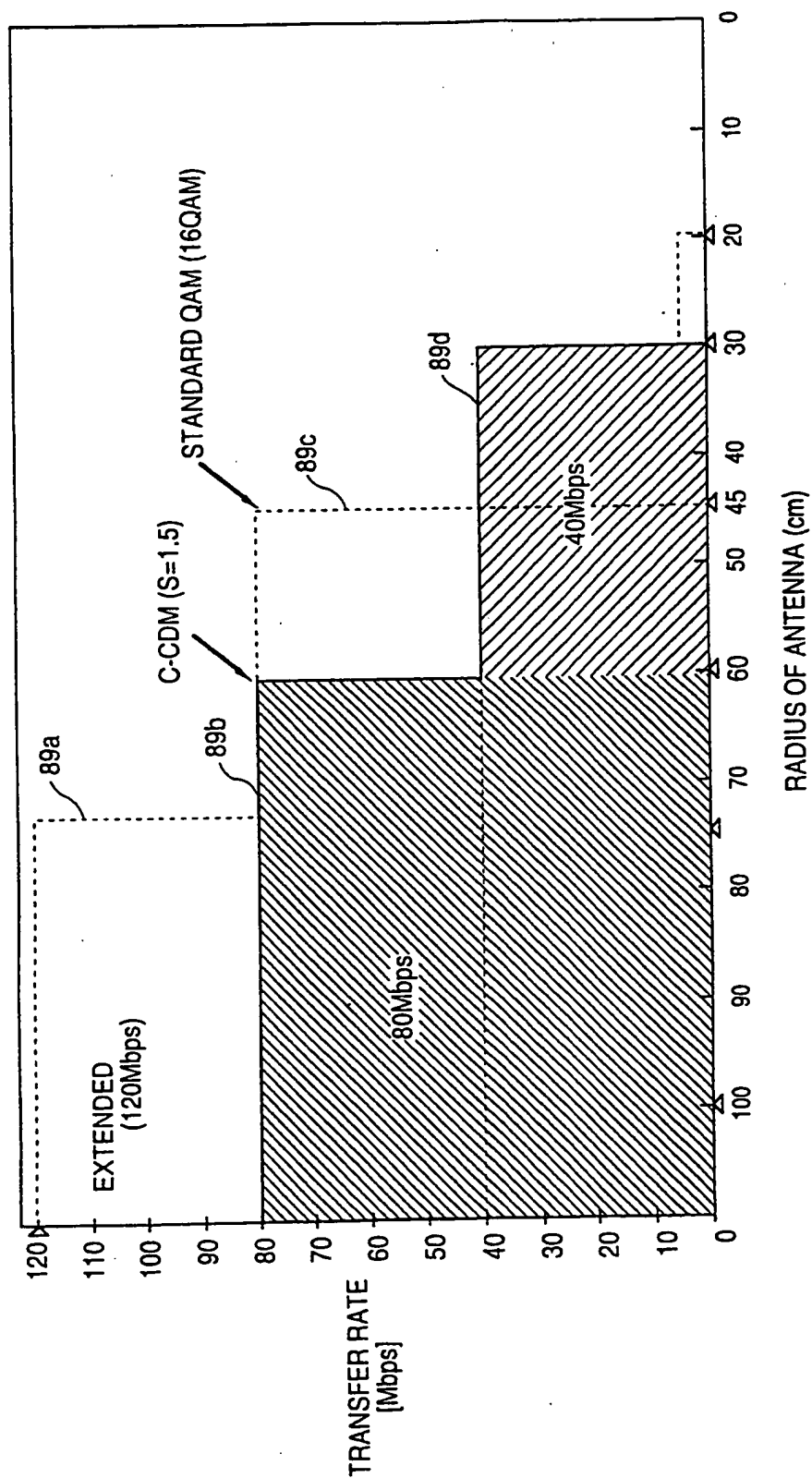


FIG. 144

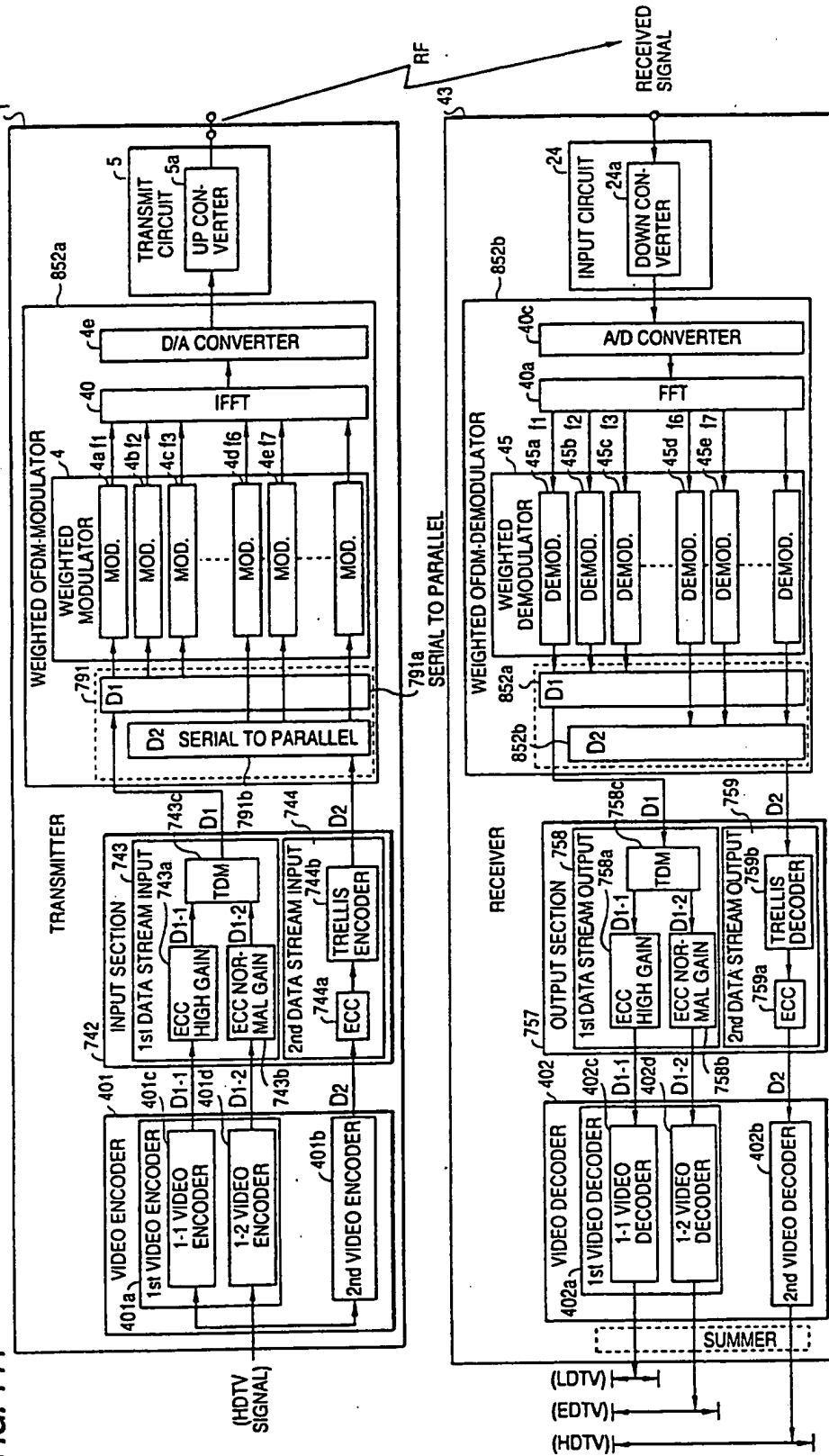


FIG. 145(a)

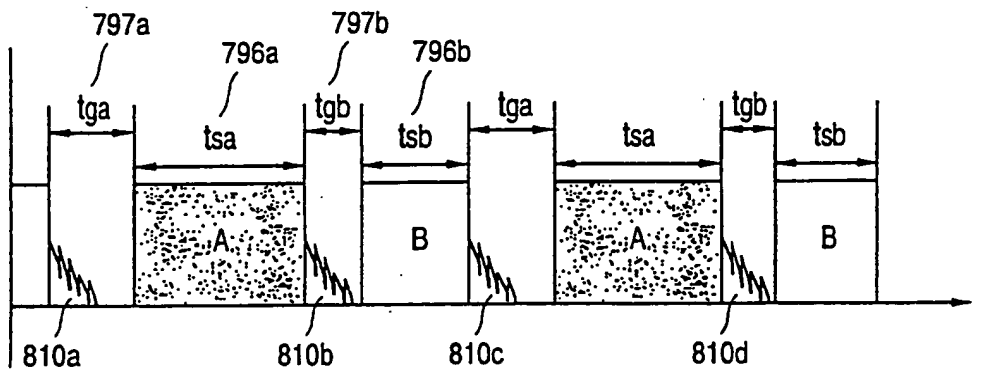


FIG. 145(b)

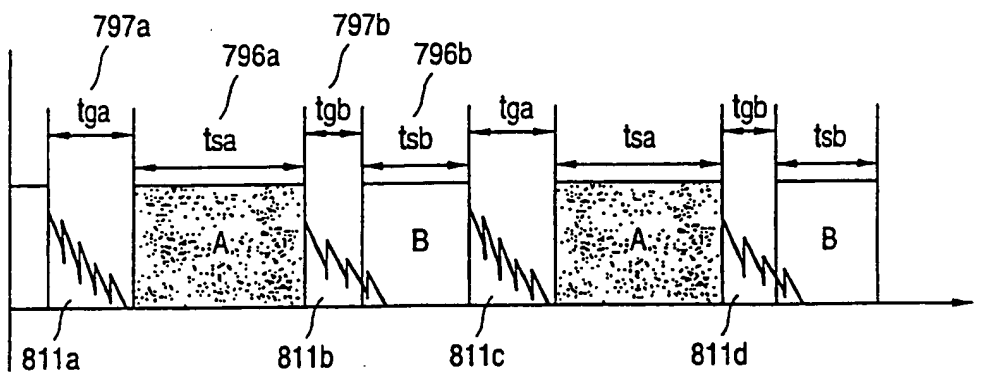


FIG. 146

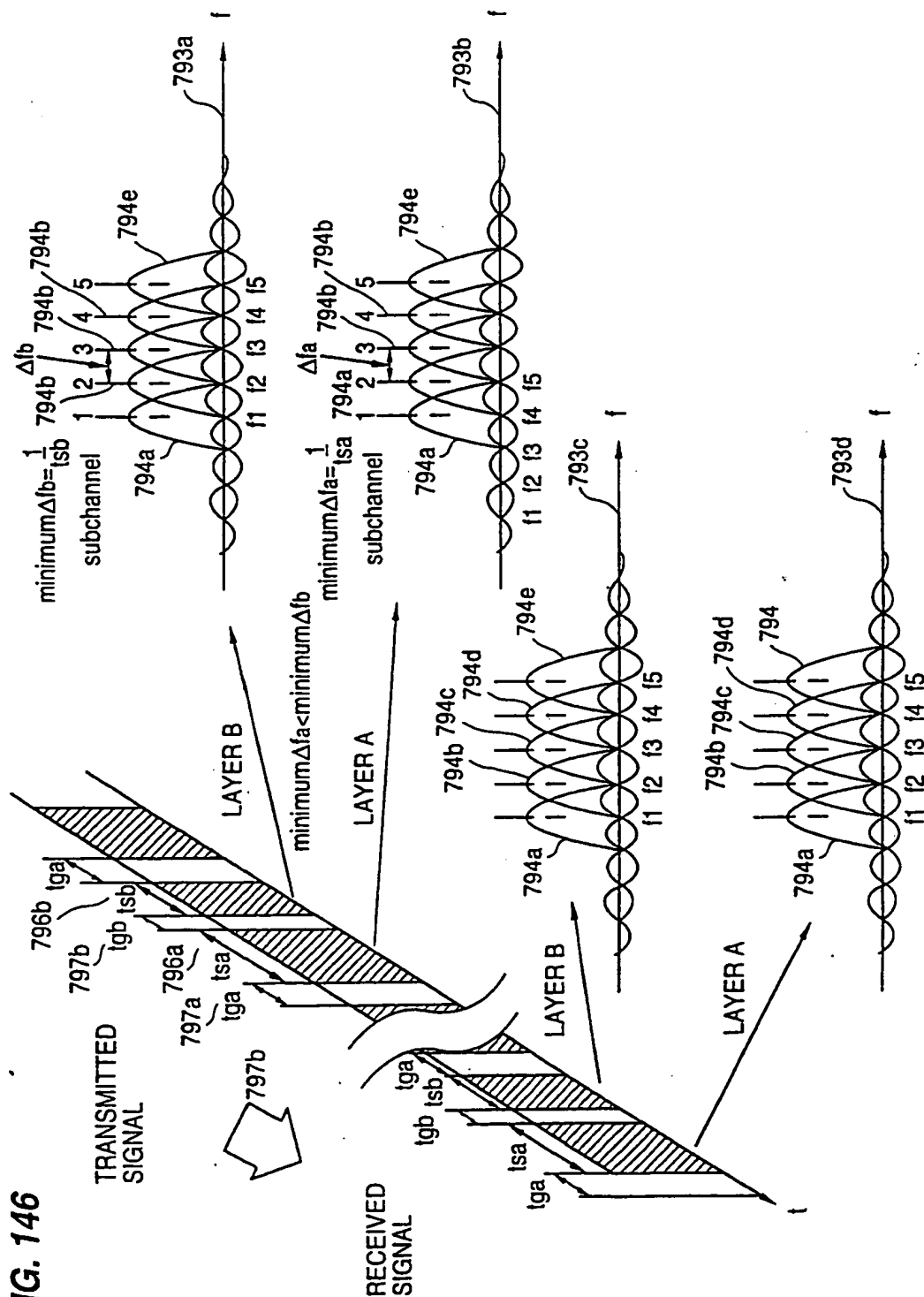


FIG. 147

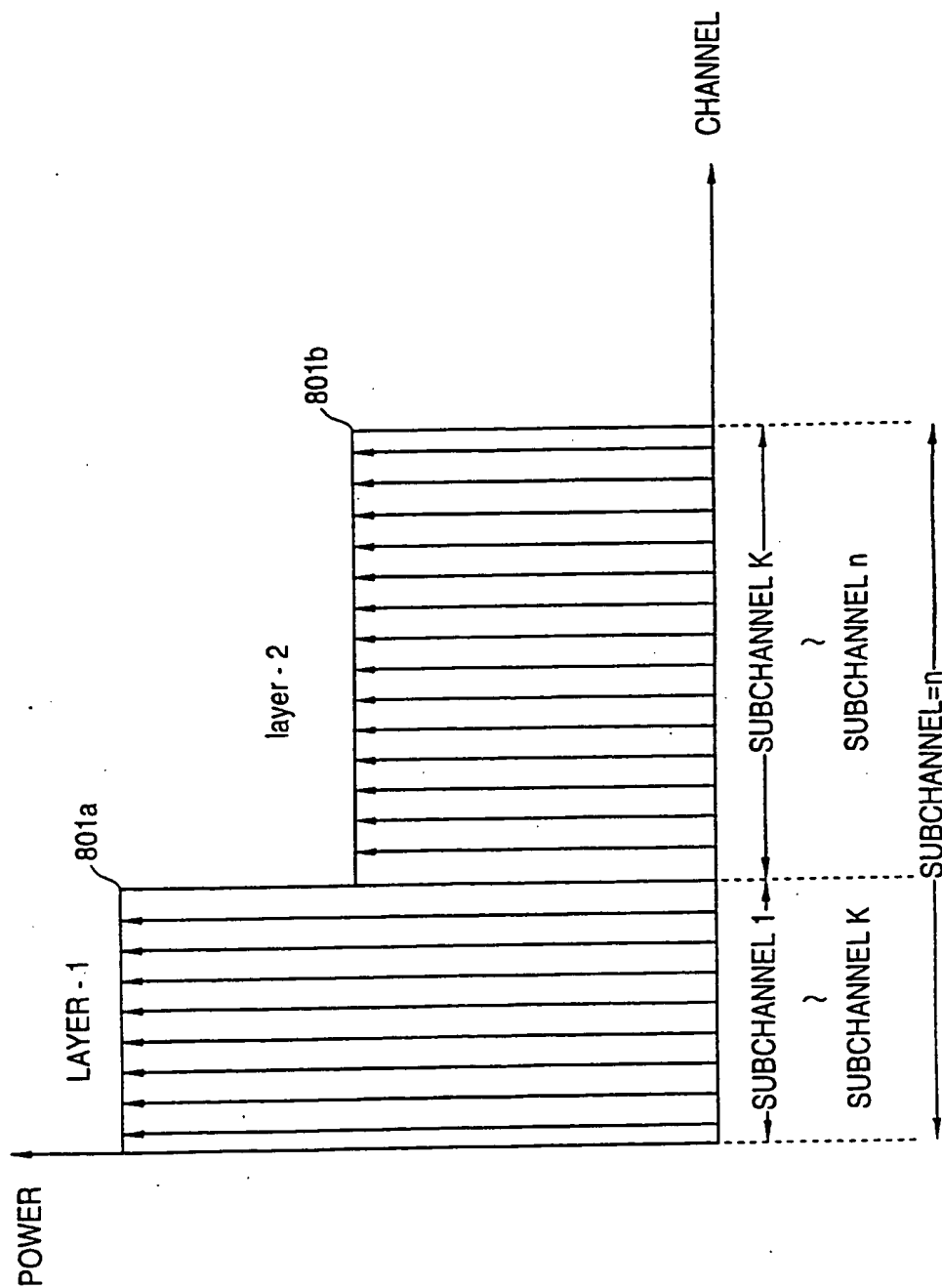
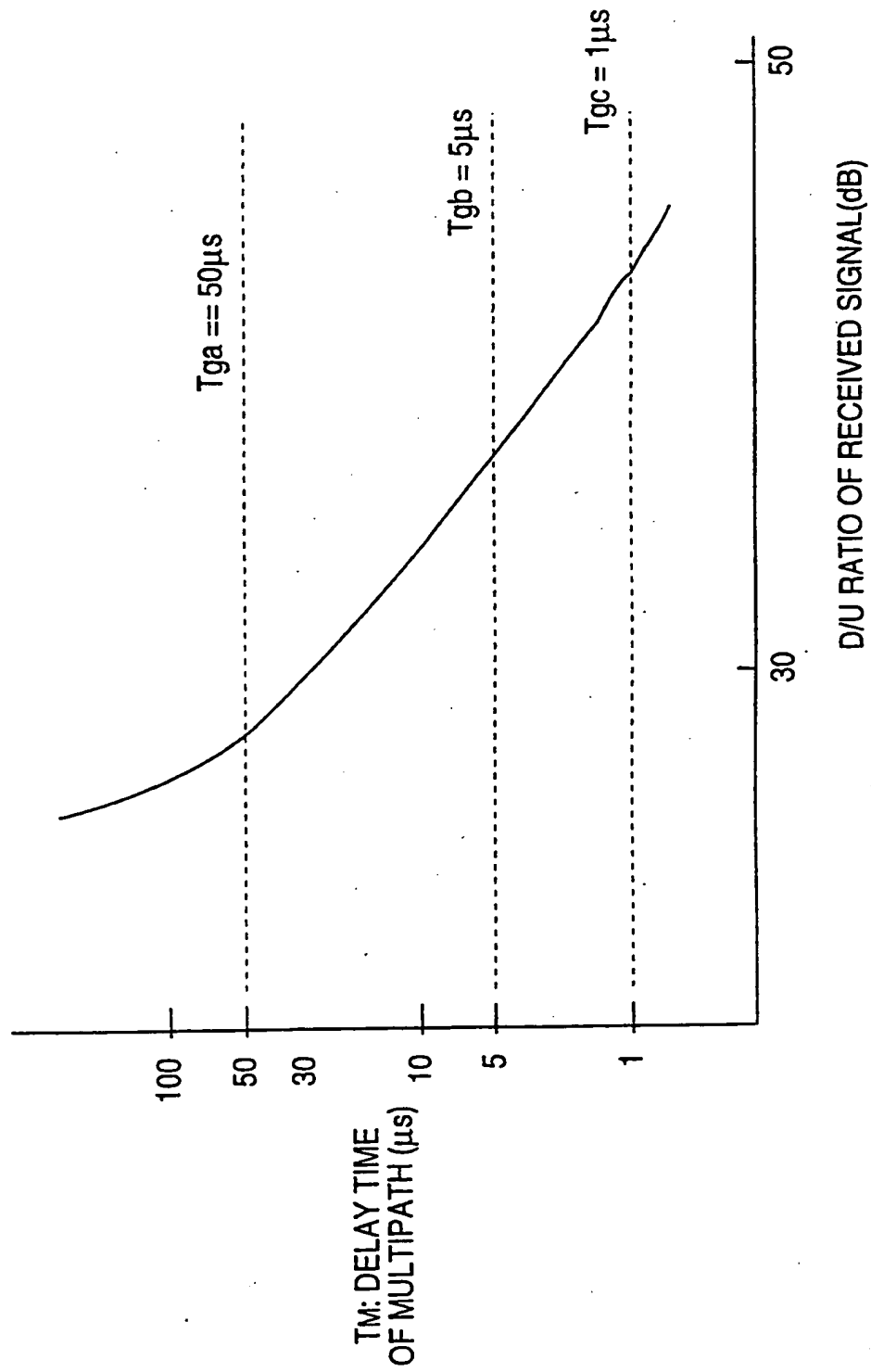


FIG. 148



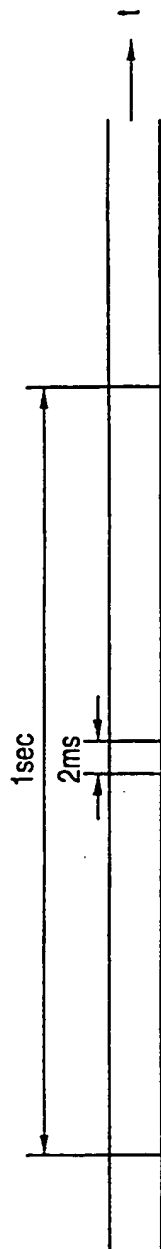


FIG. 149(a)

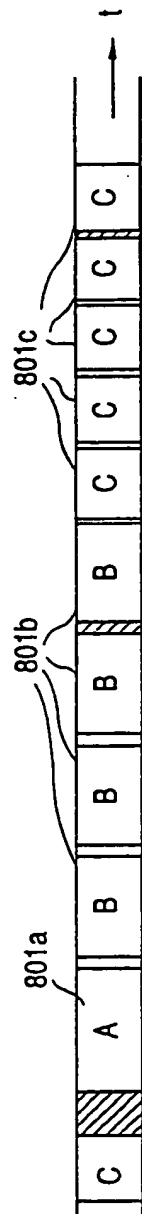


FIG. 149(b)

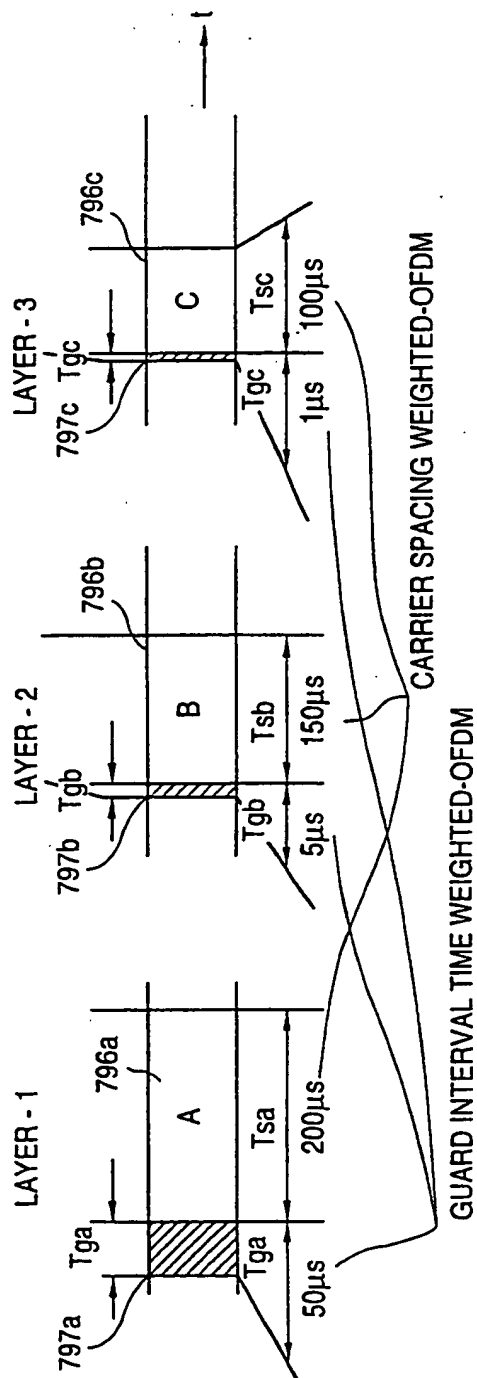


FIG. 149(c)

FIG. 150

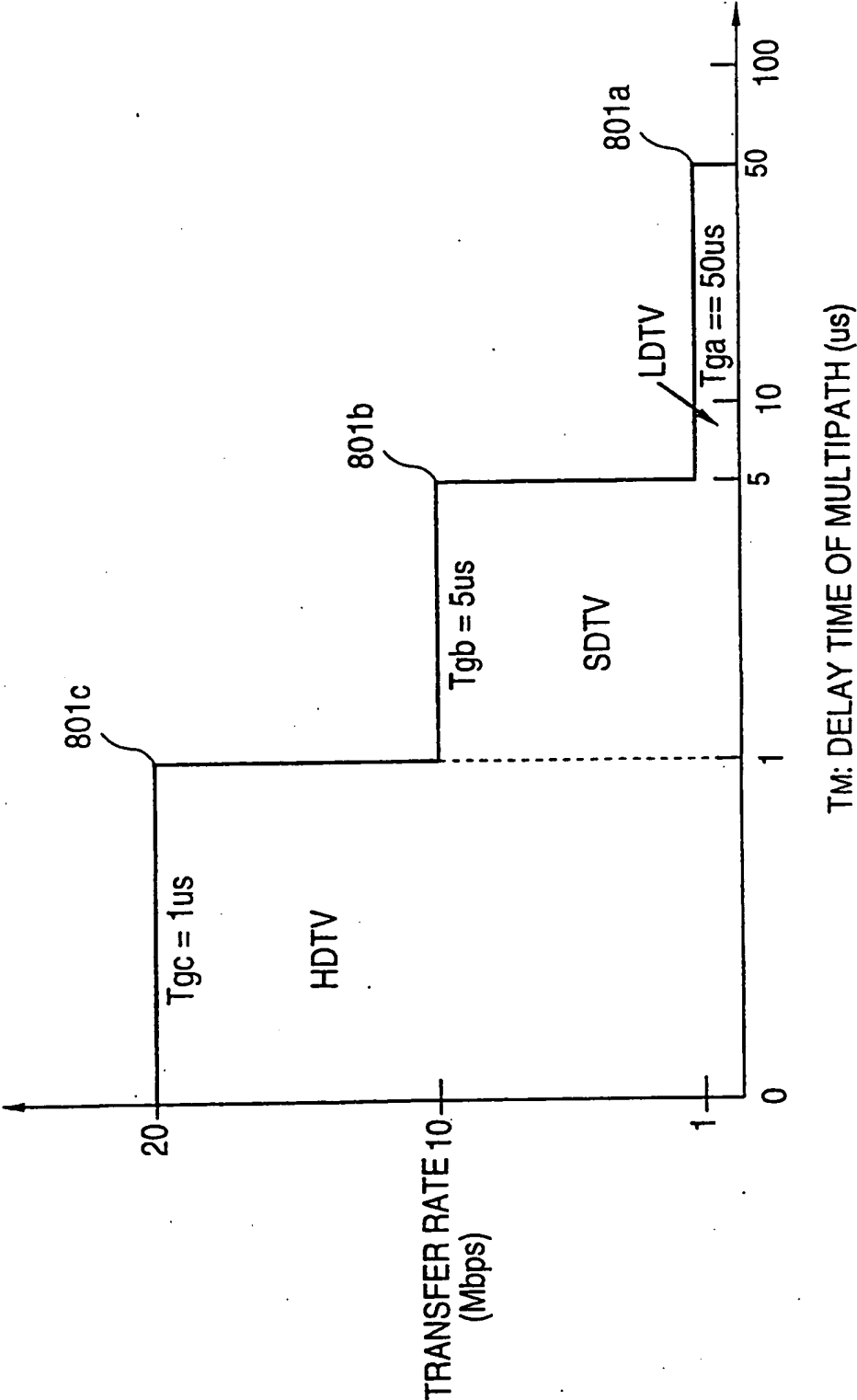


FIG. 151

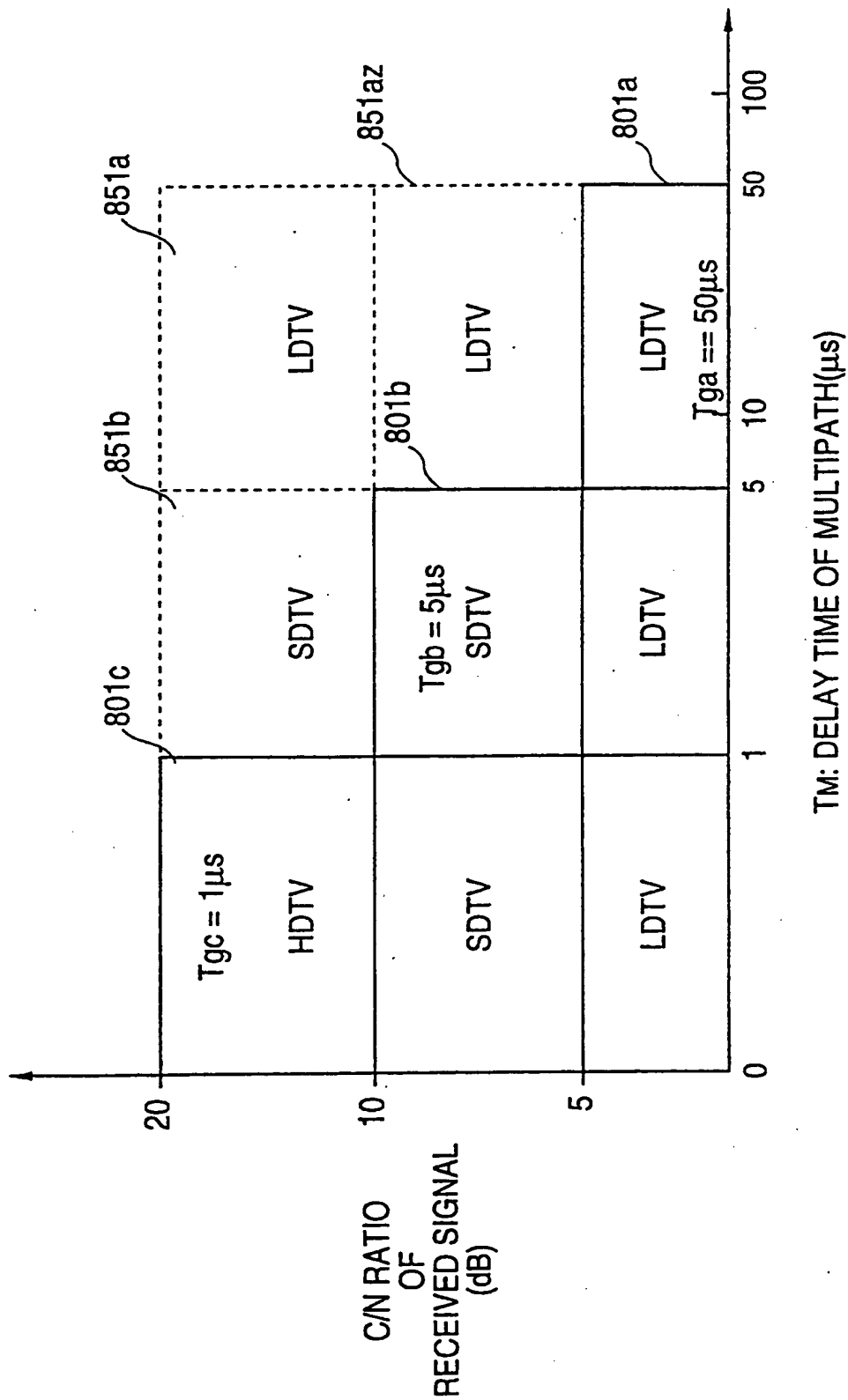


FIG. 152

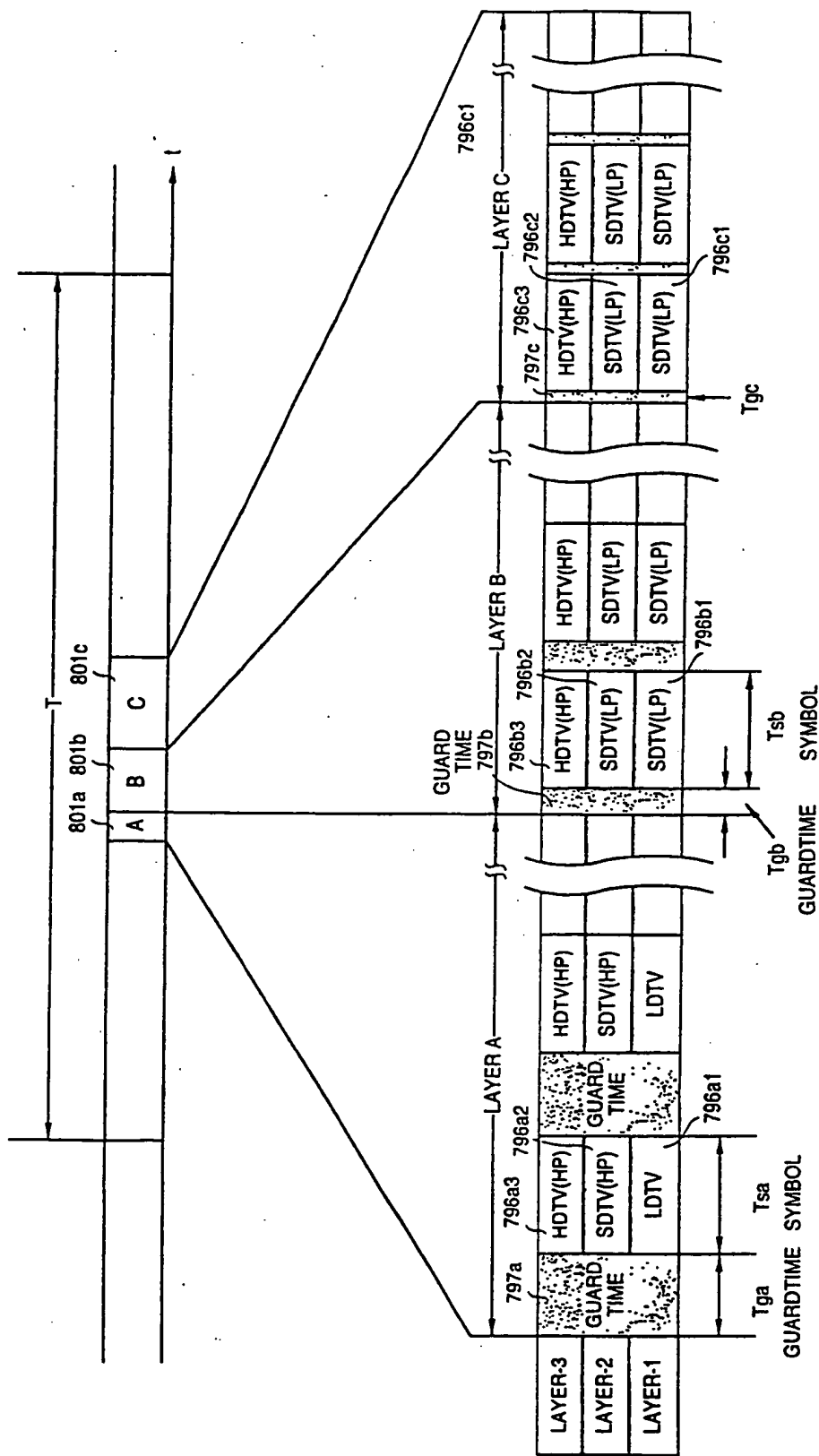
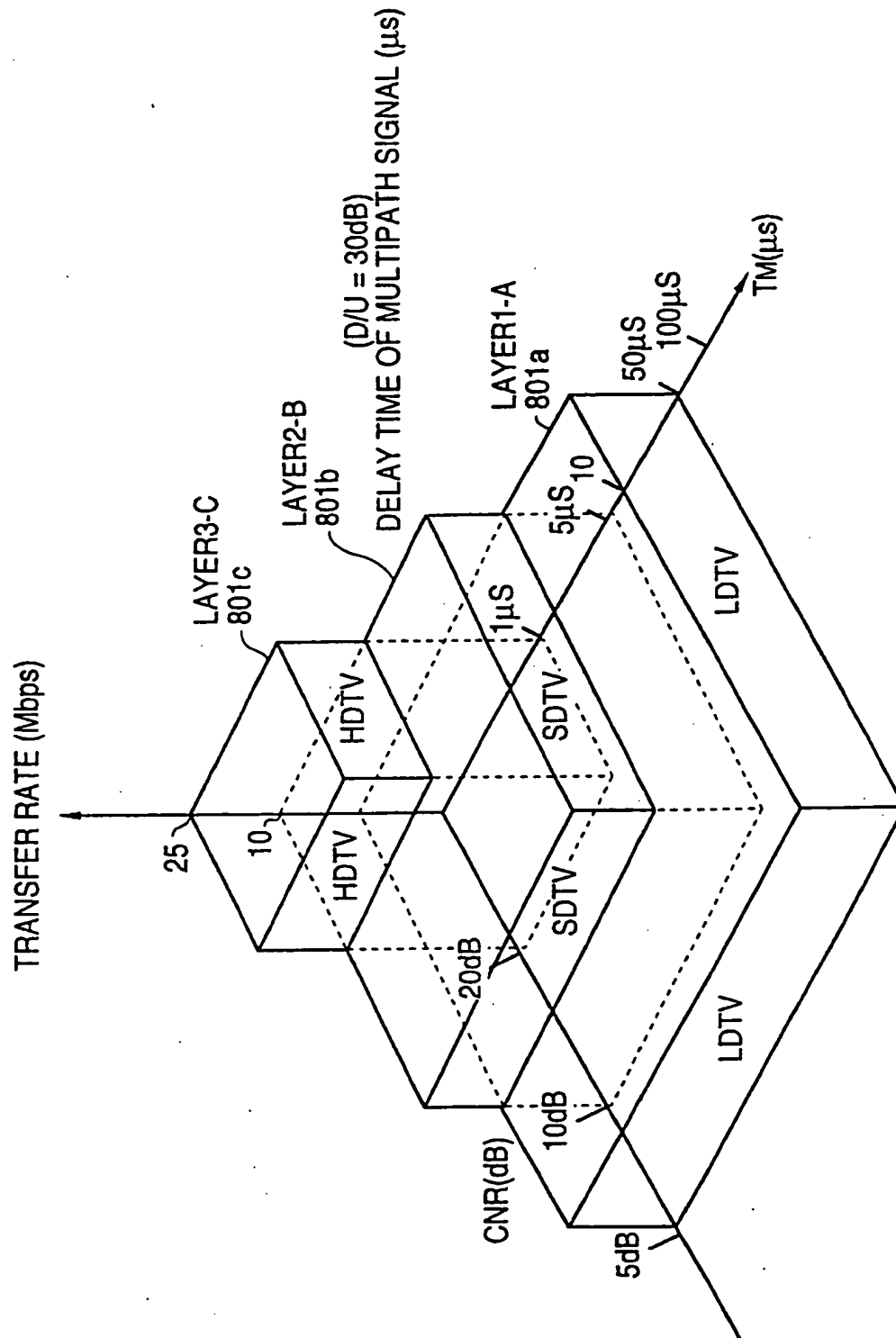


FIG. 153



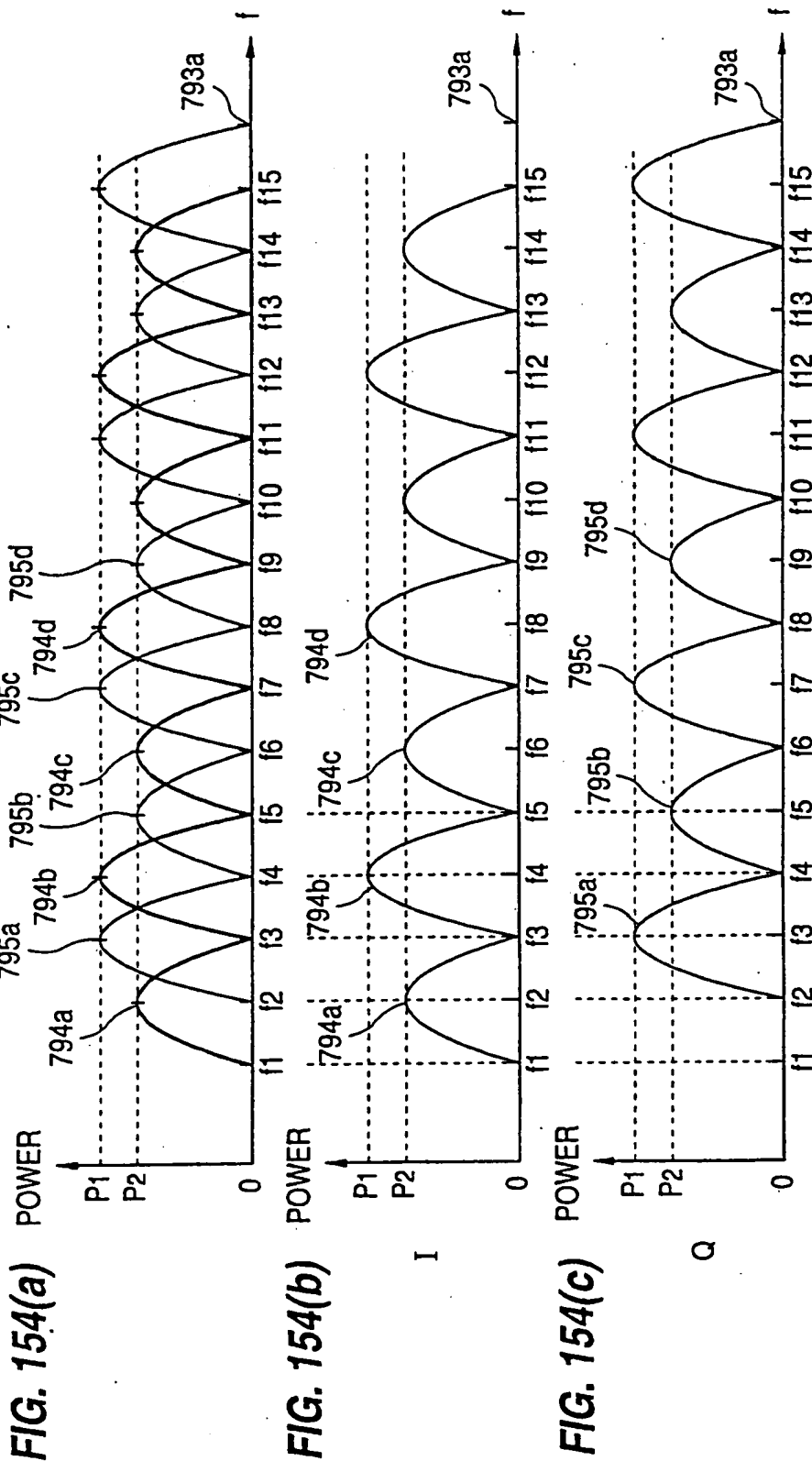


FIG. 155

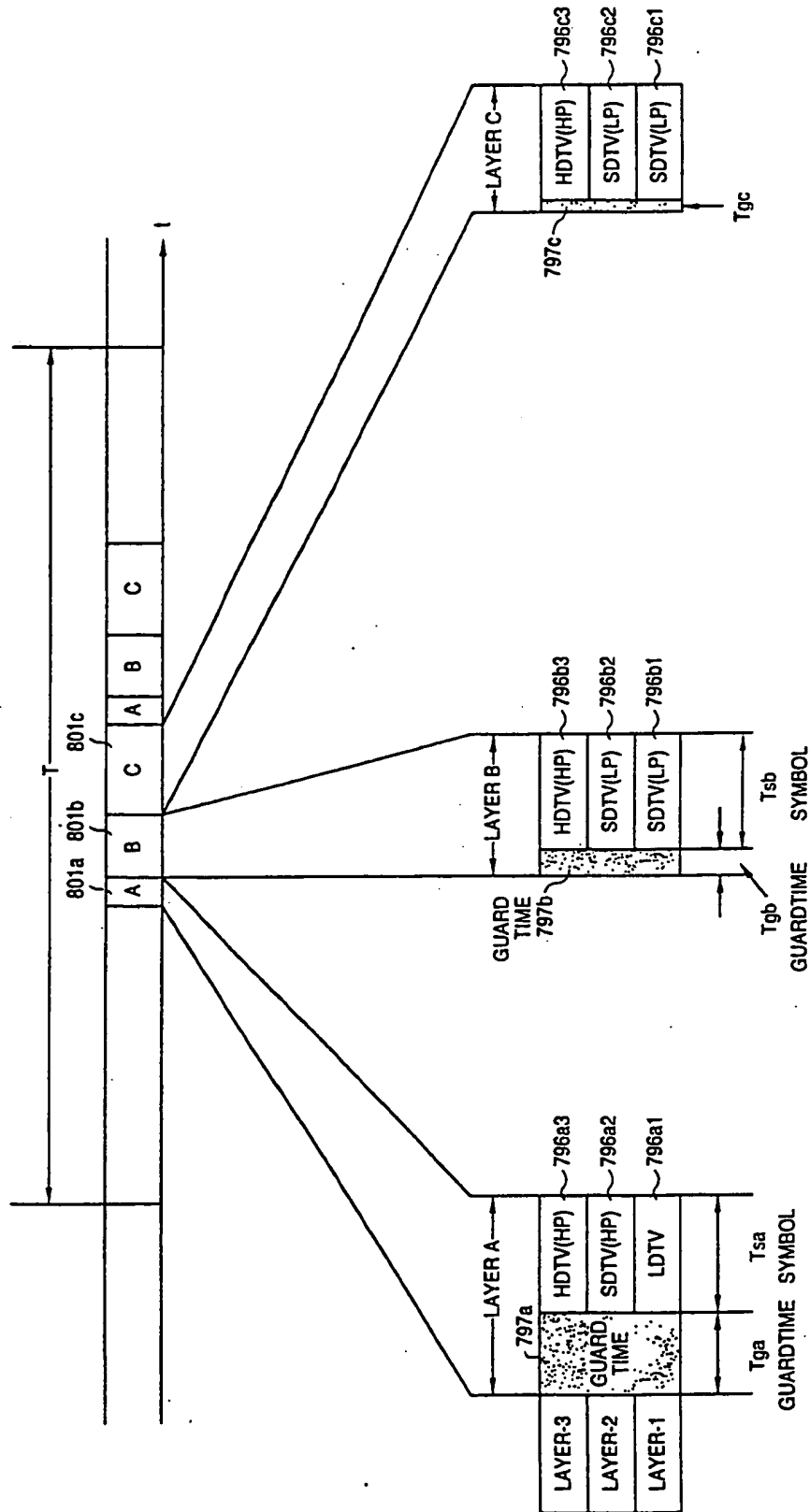


FIG. 156

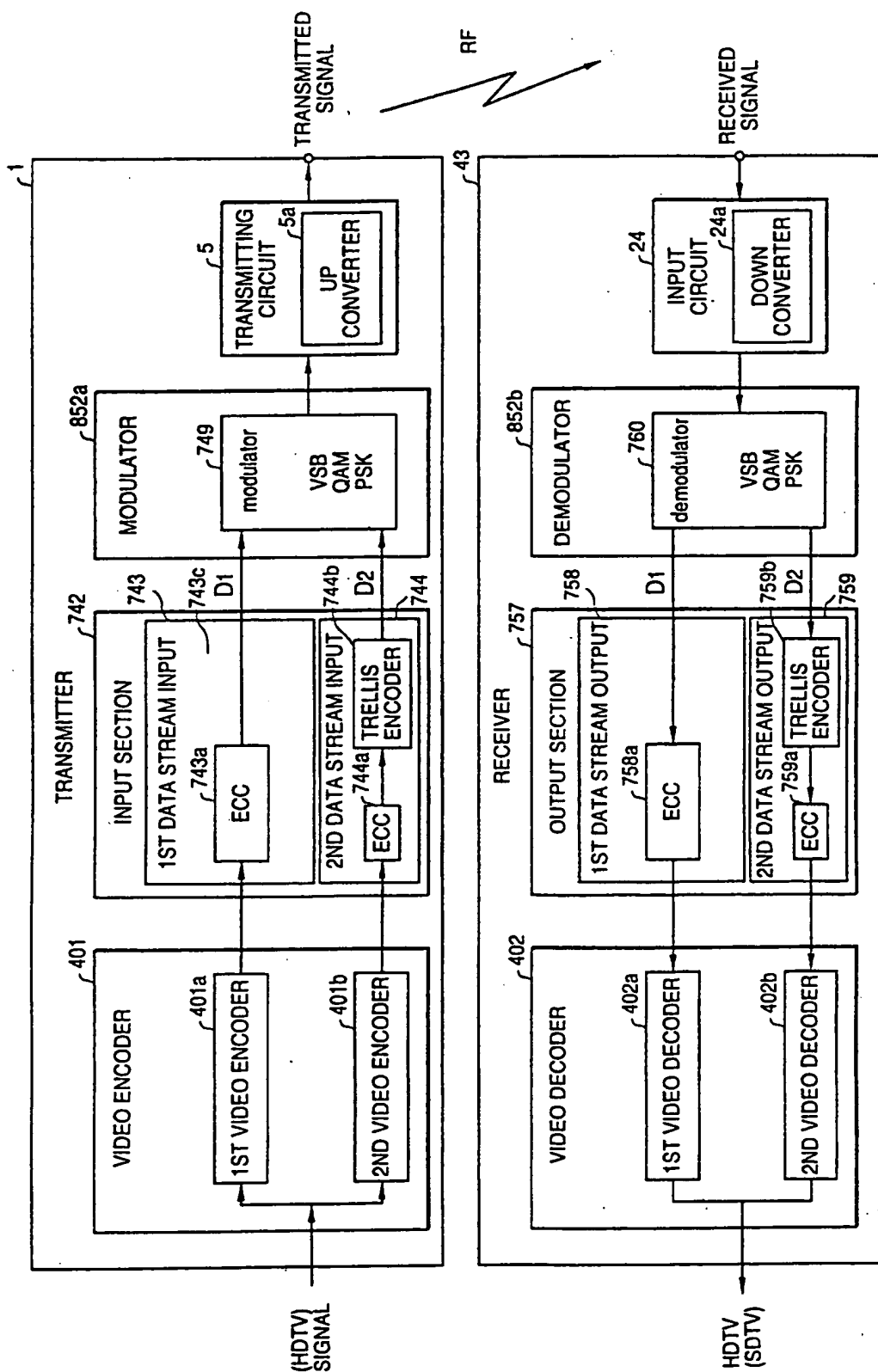


FIG. 157

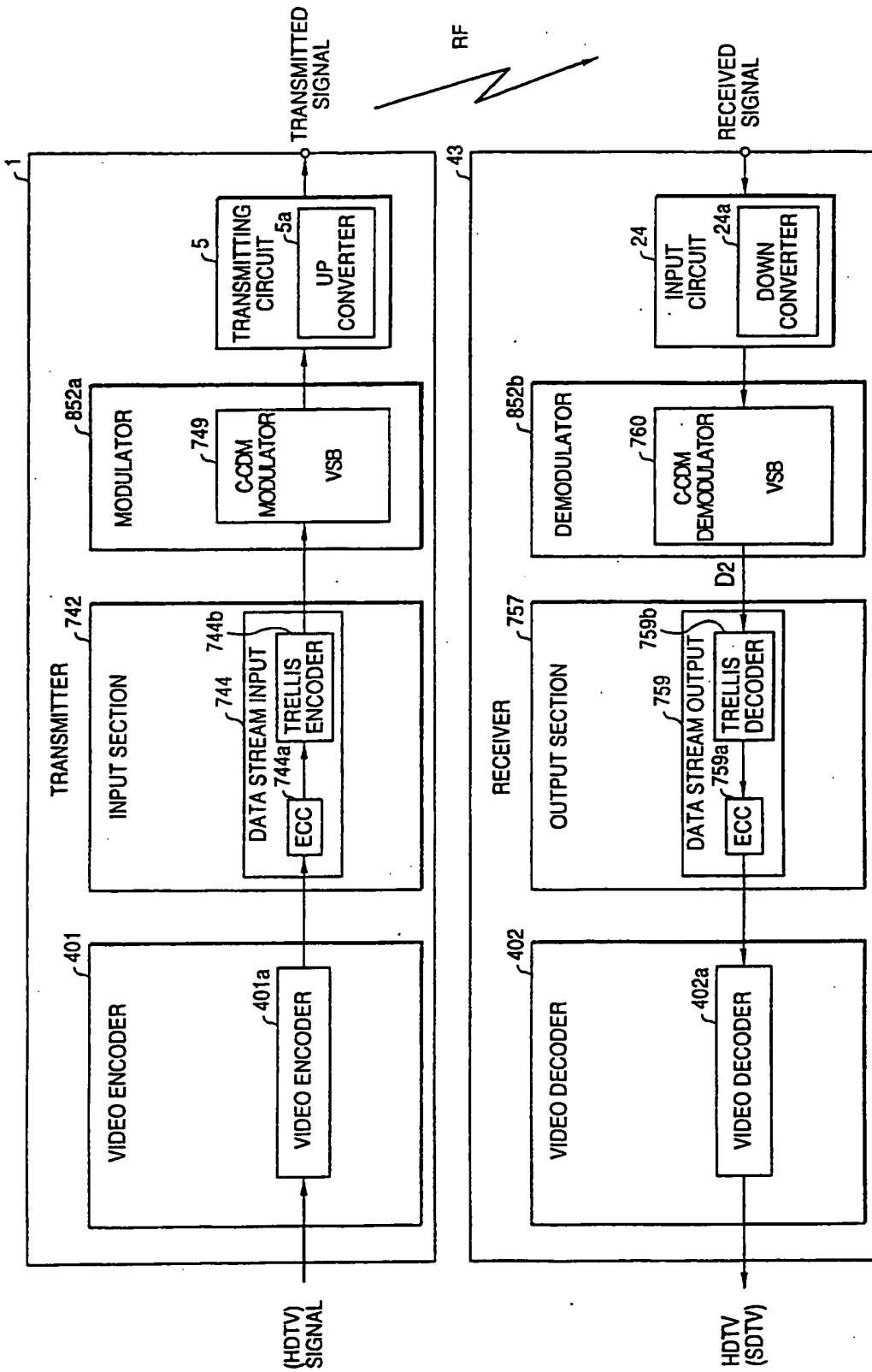
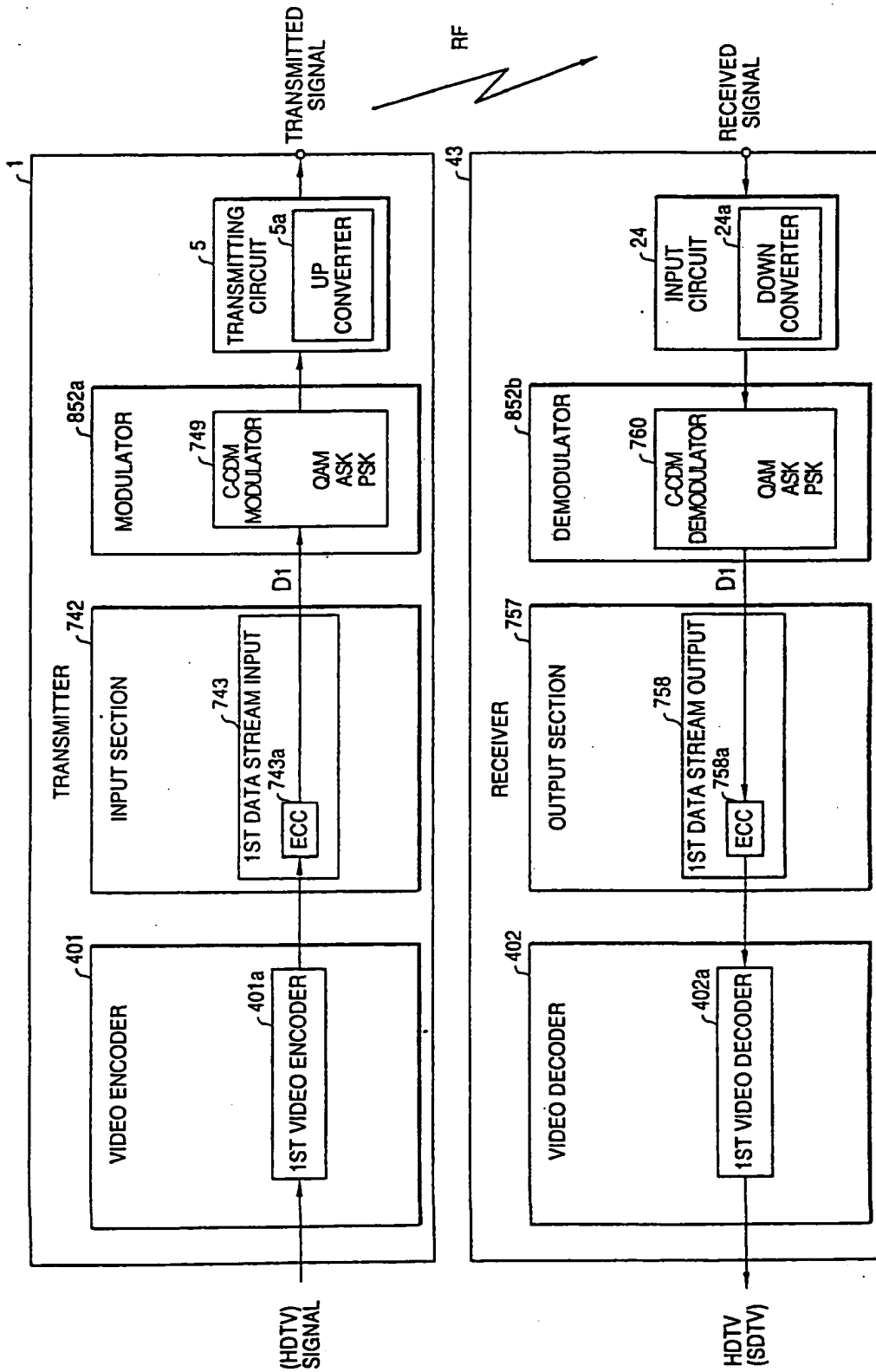


FIG. 158



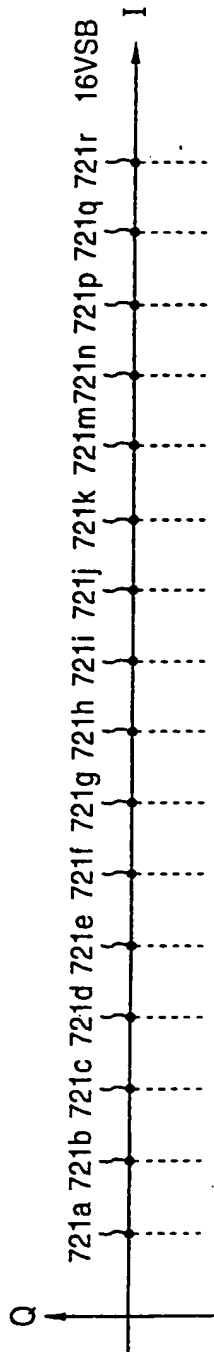


FIG. 159(a)

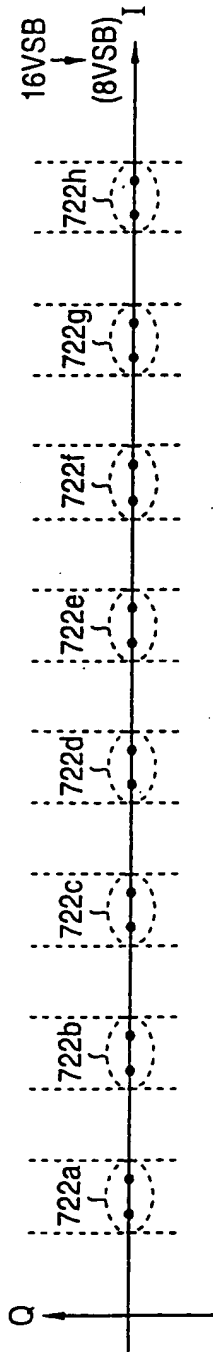


FIG. 159(b)

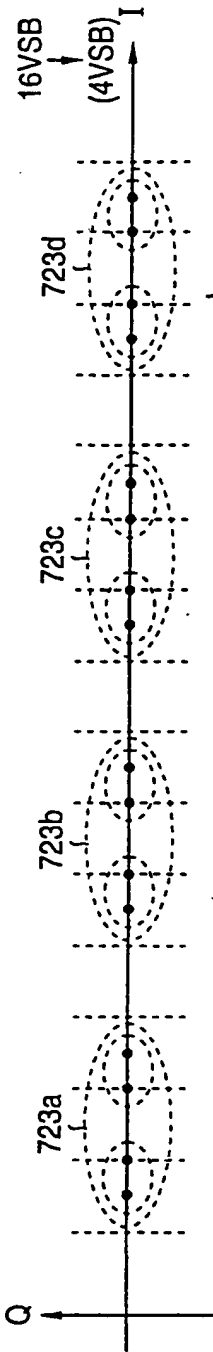


FIG. 159(c)

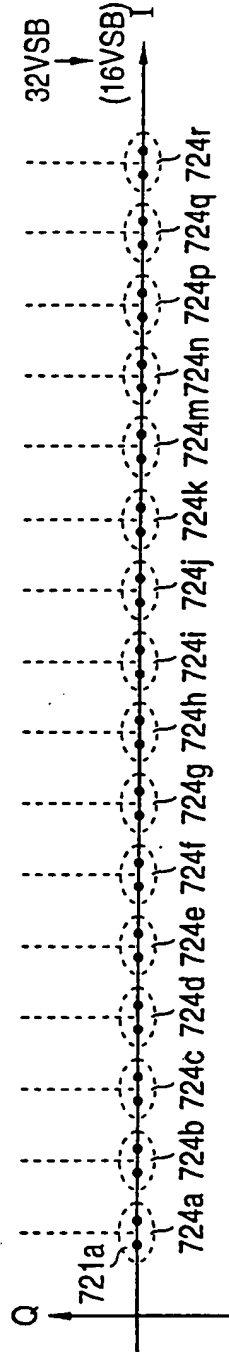


FIG. 159(d)

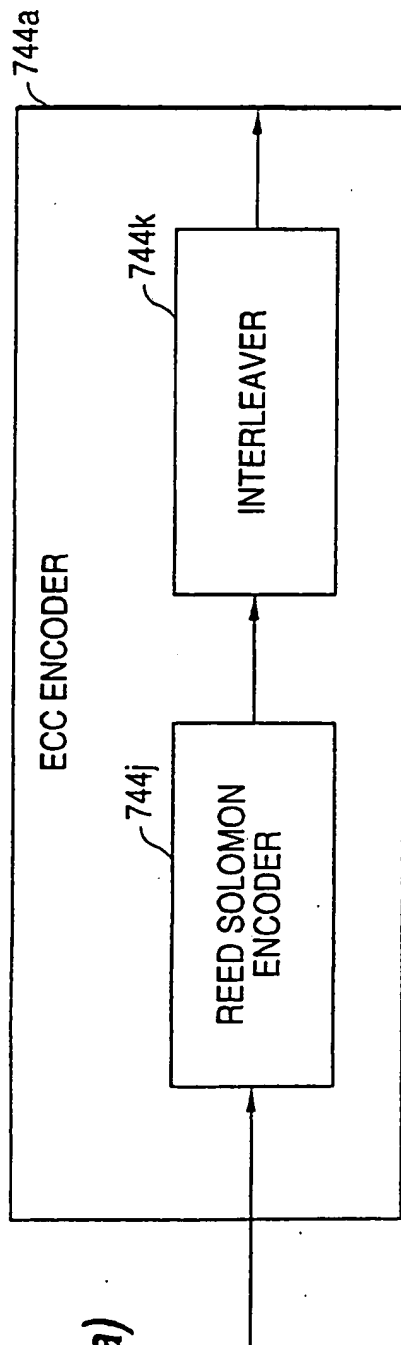


FIG. 160(a)

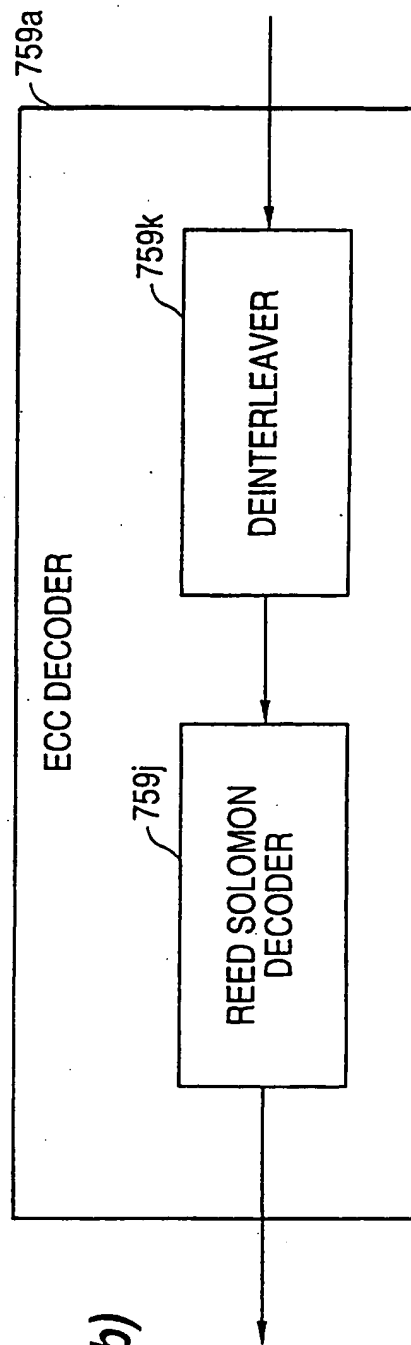


FIG. 160(b)

FIG. 161

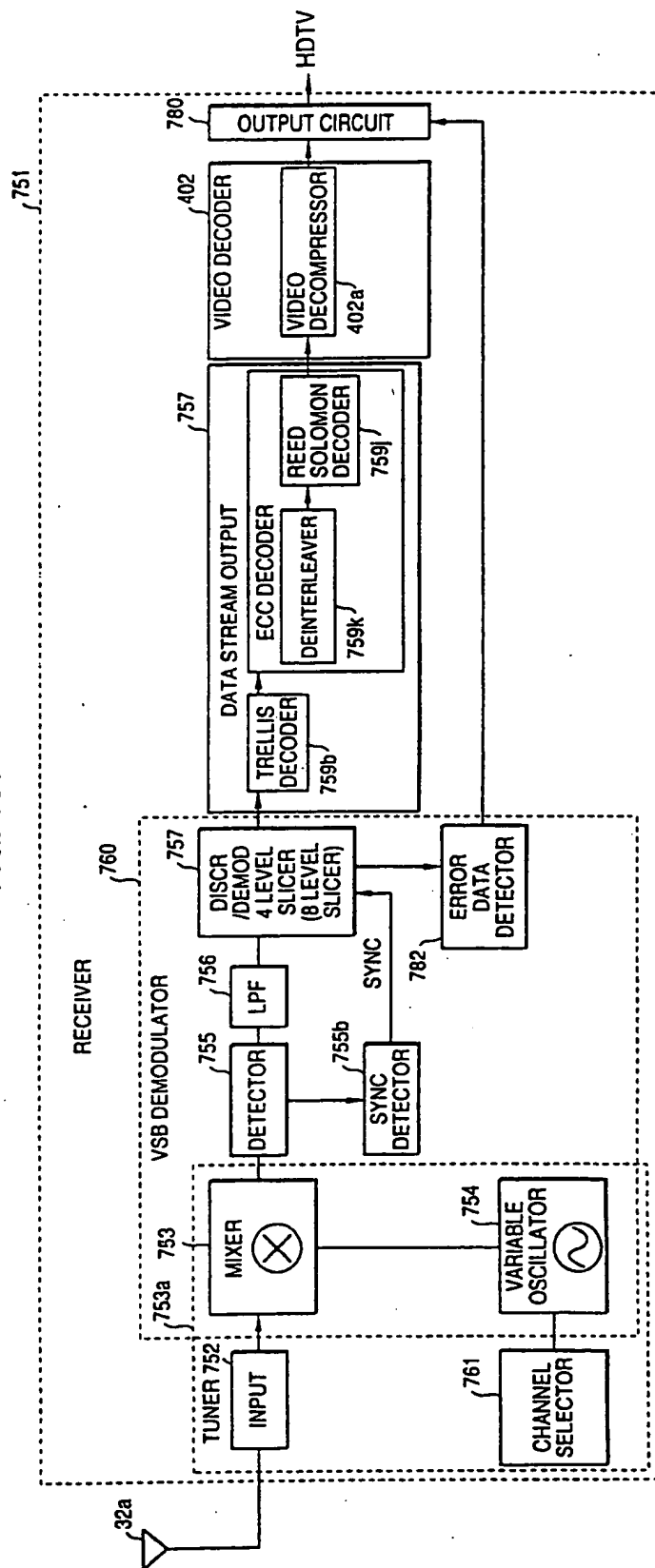


FIG. 162

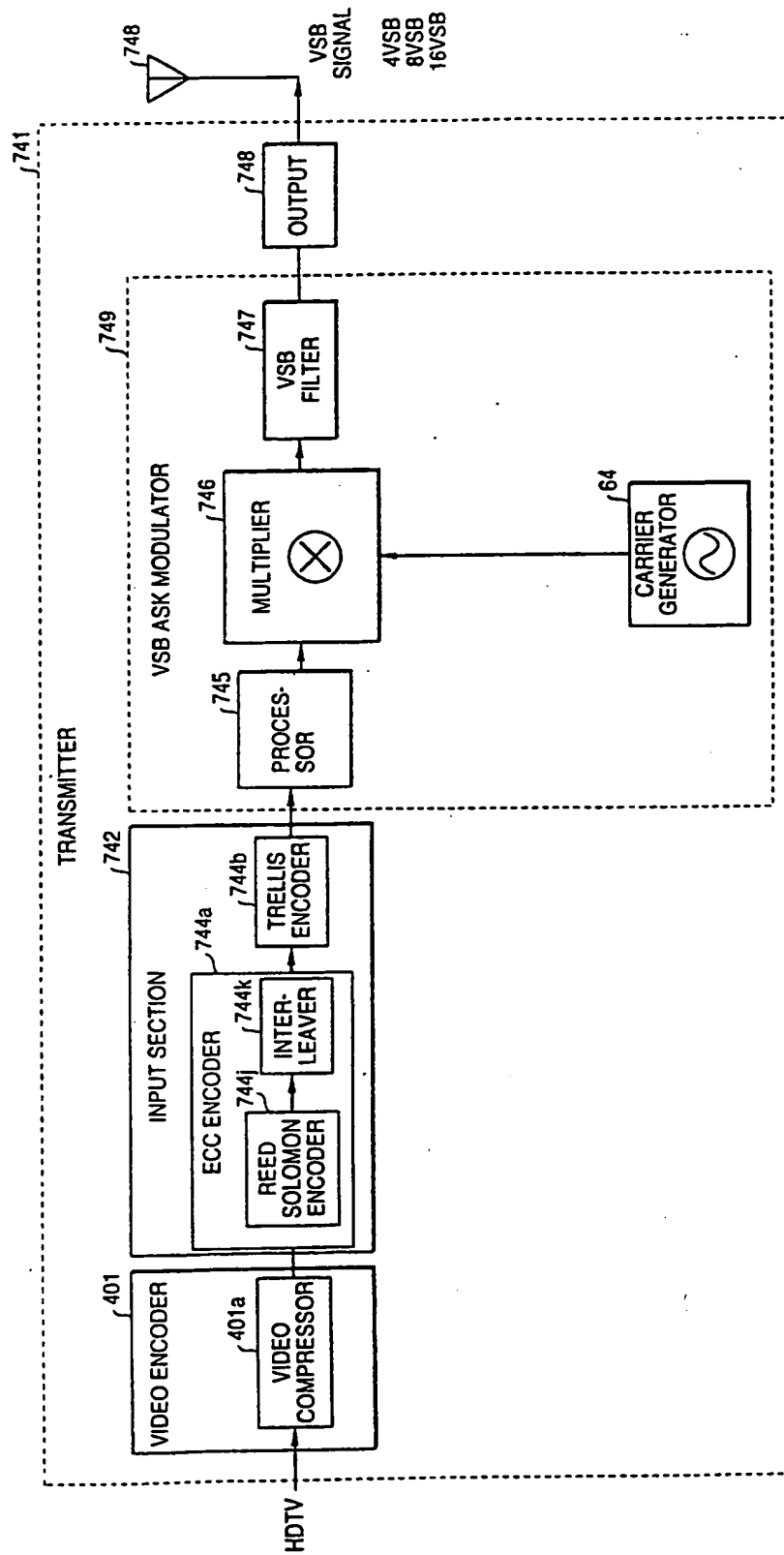


FIG. 163

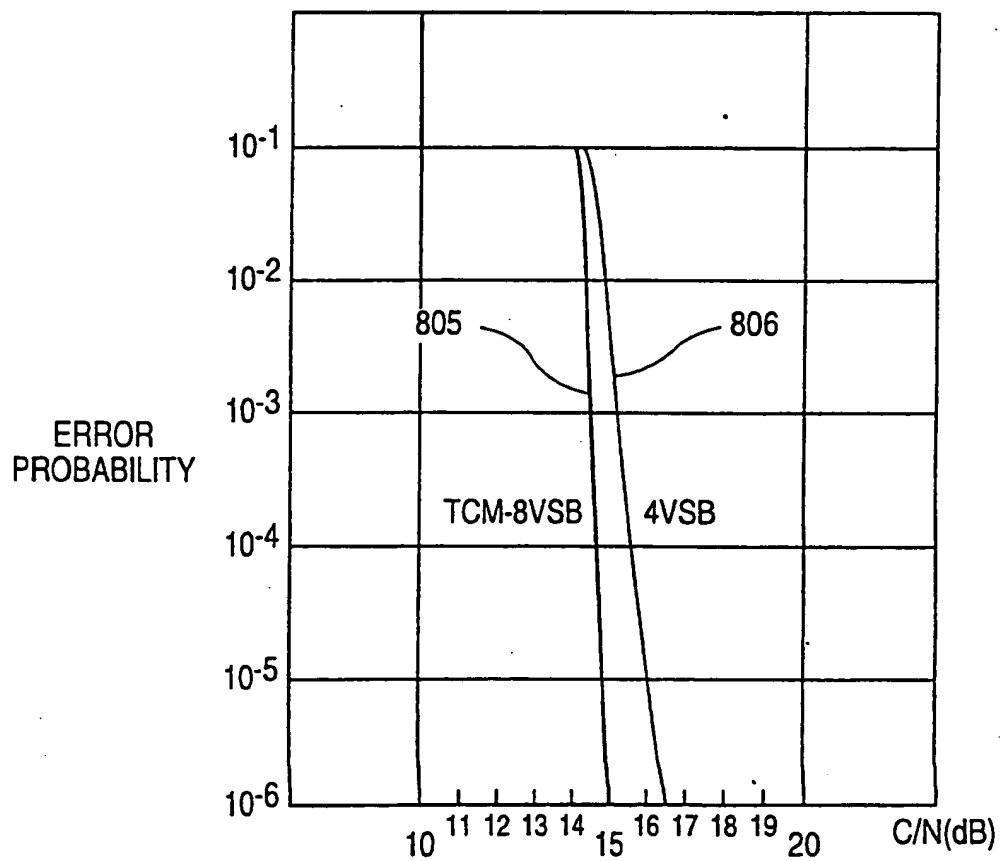


FIG. 164

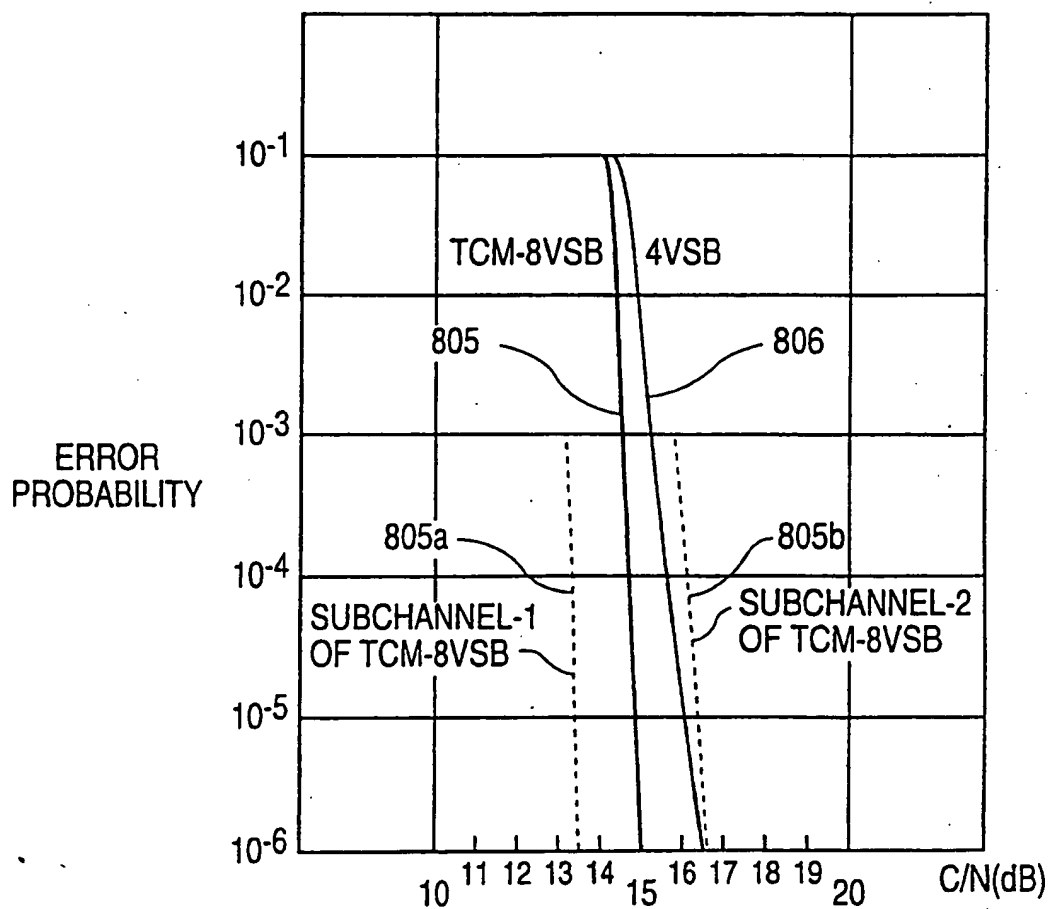


FIG. 165(a)

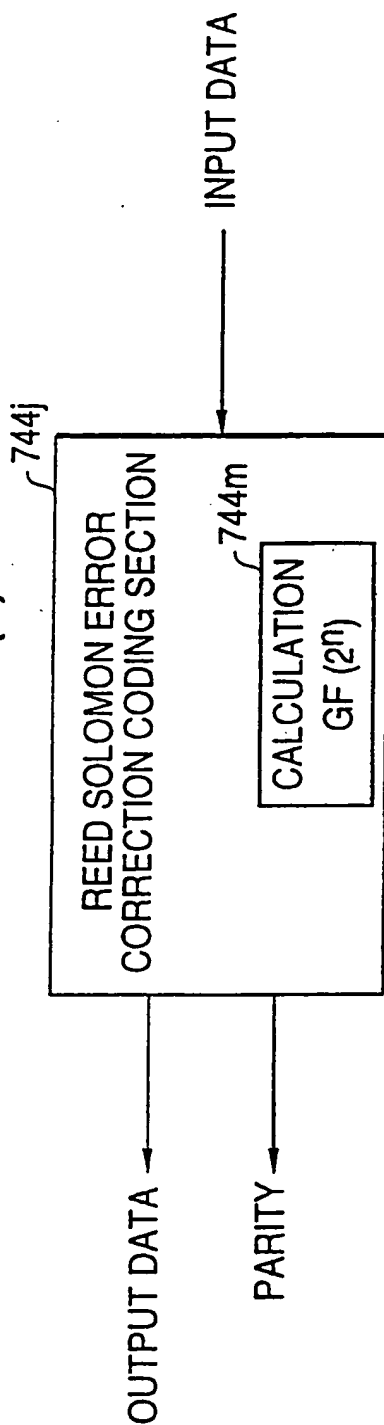


FIG. 165(b)

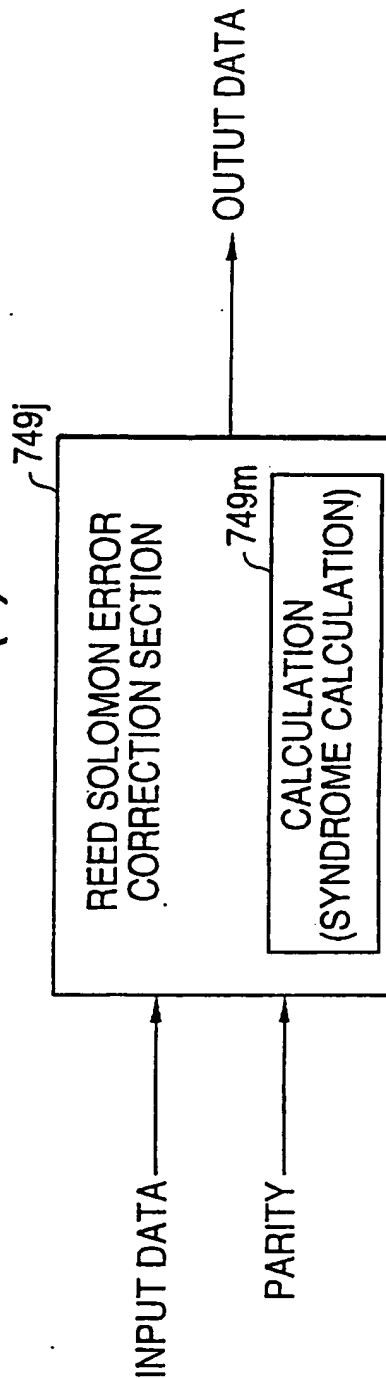


FIG. 166

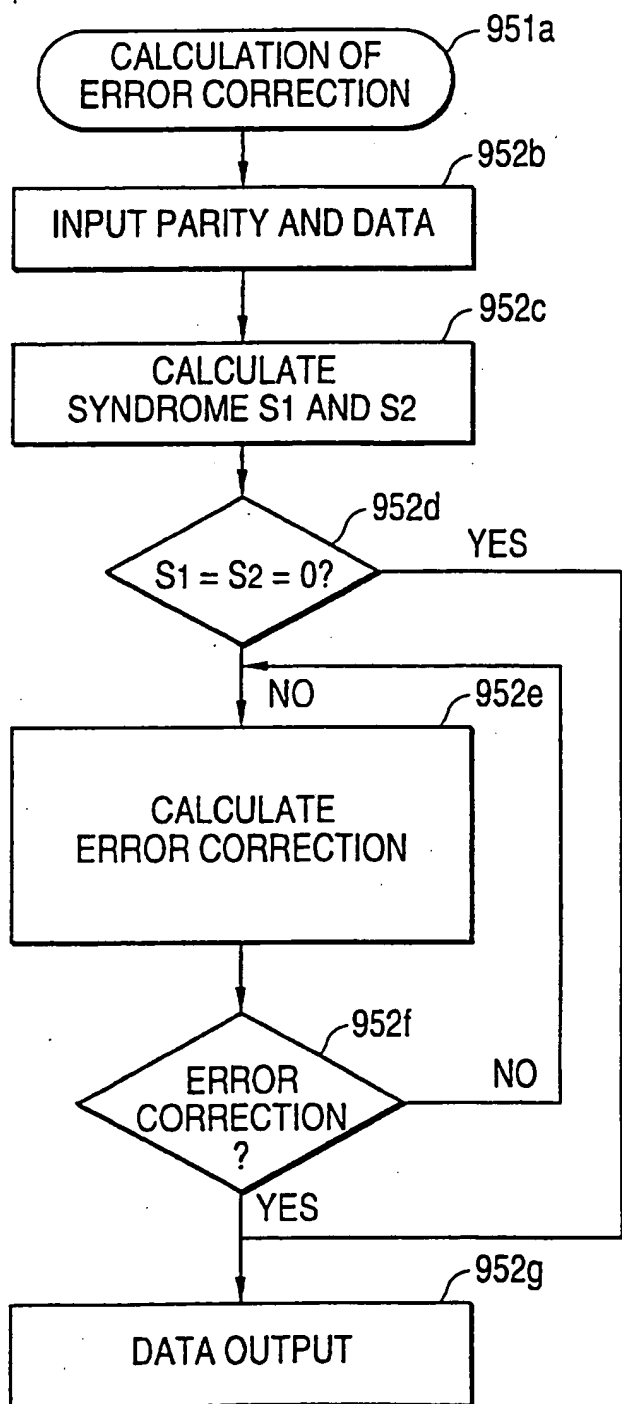


FIG. 167

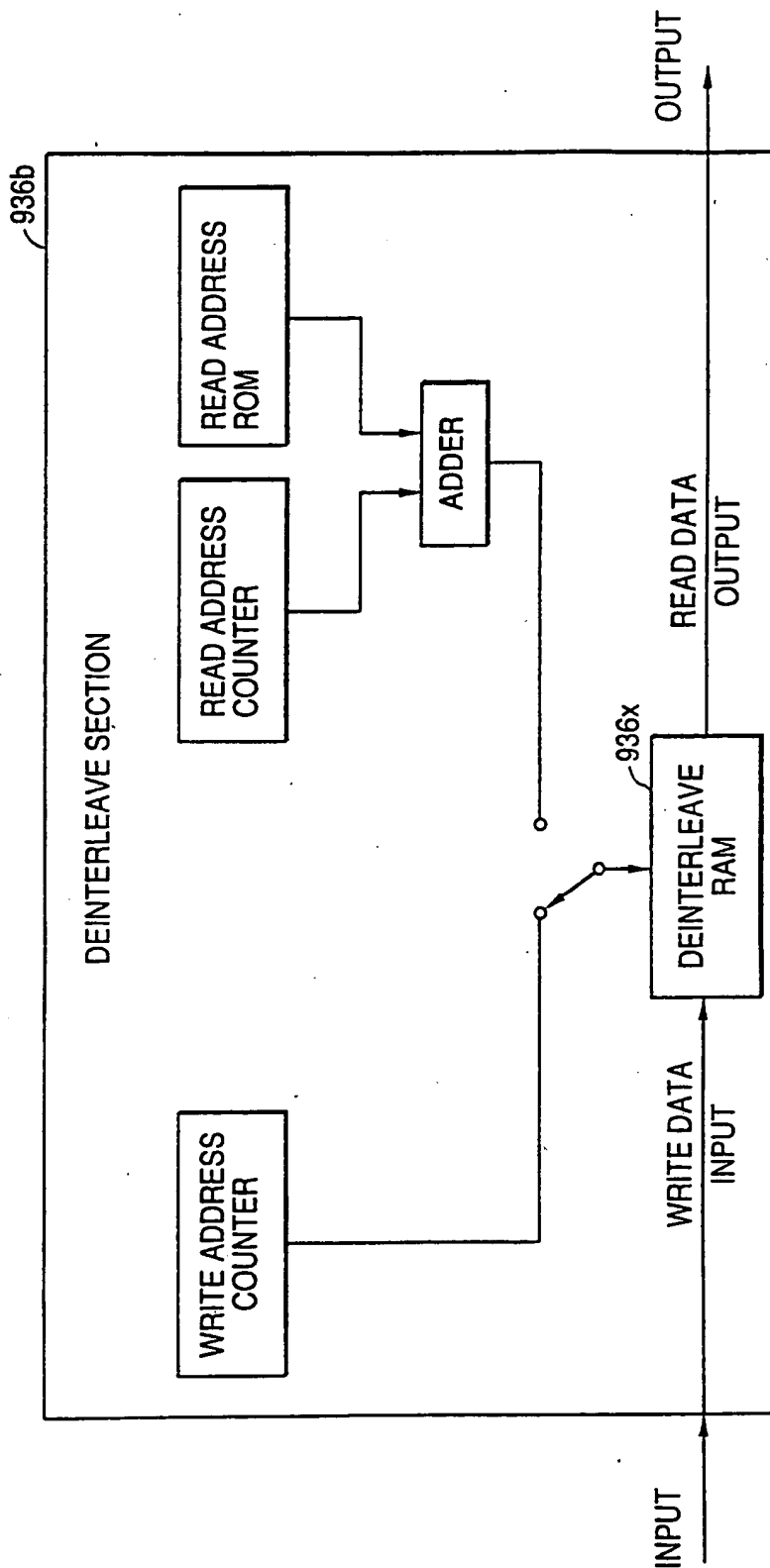


FIG. 168(a)

INTERLEAVE TABLE

1	2	3	4	5	6	7
DATA						C2 PARITY
1	A 1	A 2	A 3	A 4	A 5	A 6
2	B 1	B 2	B 3	B 4		
3	C 1					
4	D 1					
5	E 1					
6	F 1					
C1 PARITY	PARITY	PARITY	PARITY	PARITY	PARITY	PARITY

FIG. 168(b)

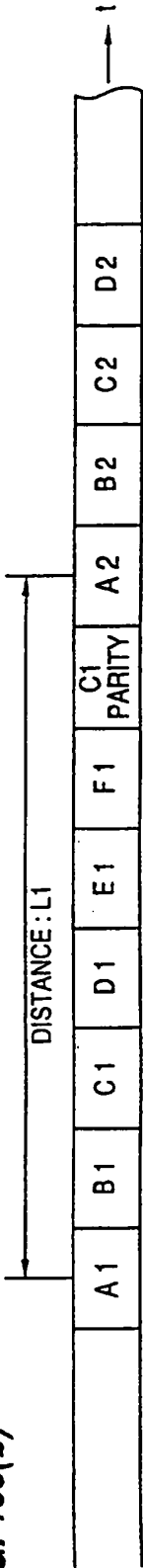


FIG. 169

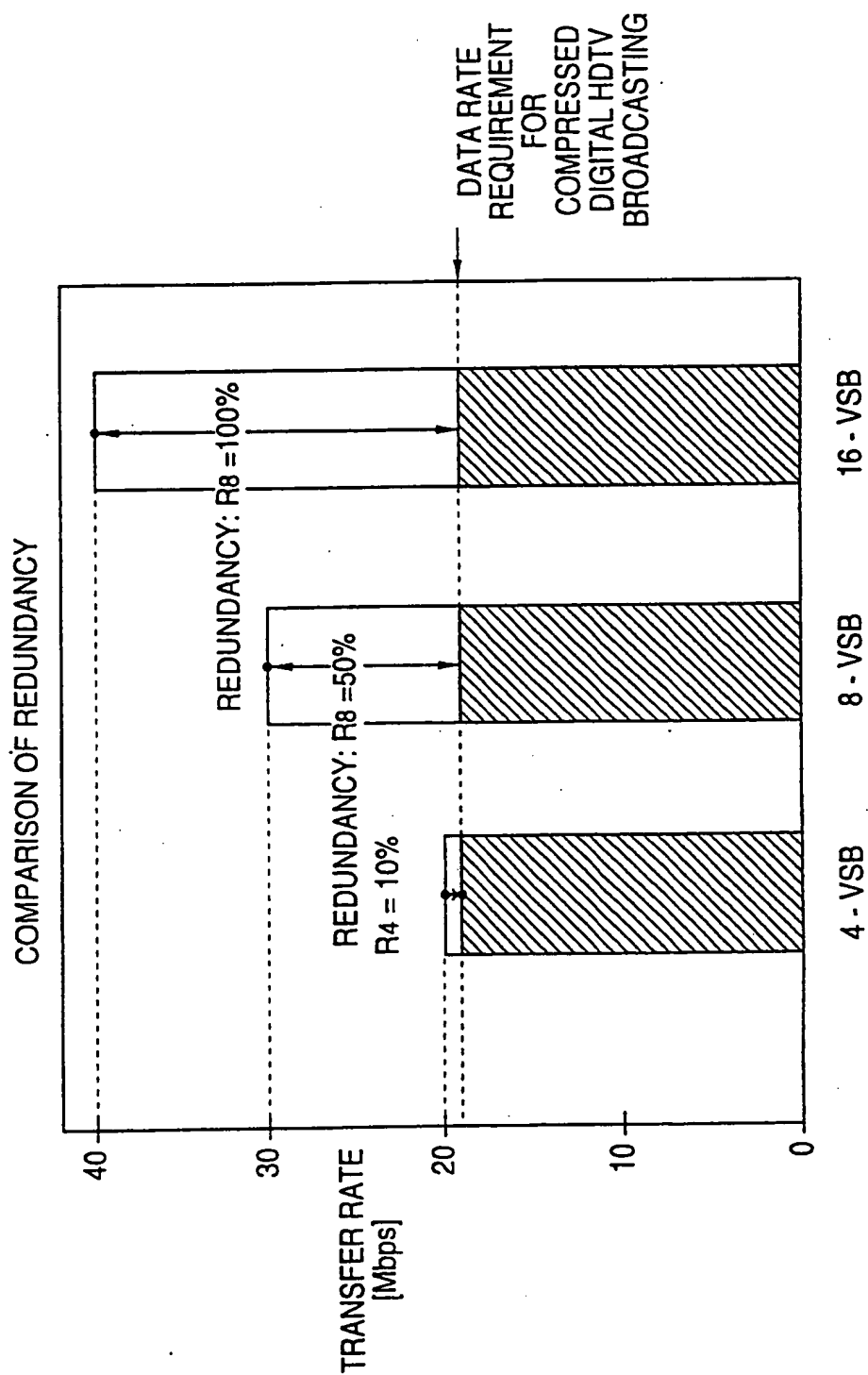


FIG. 170

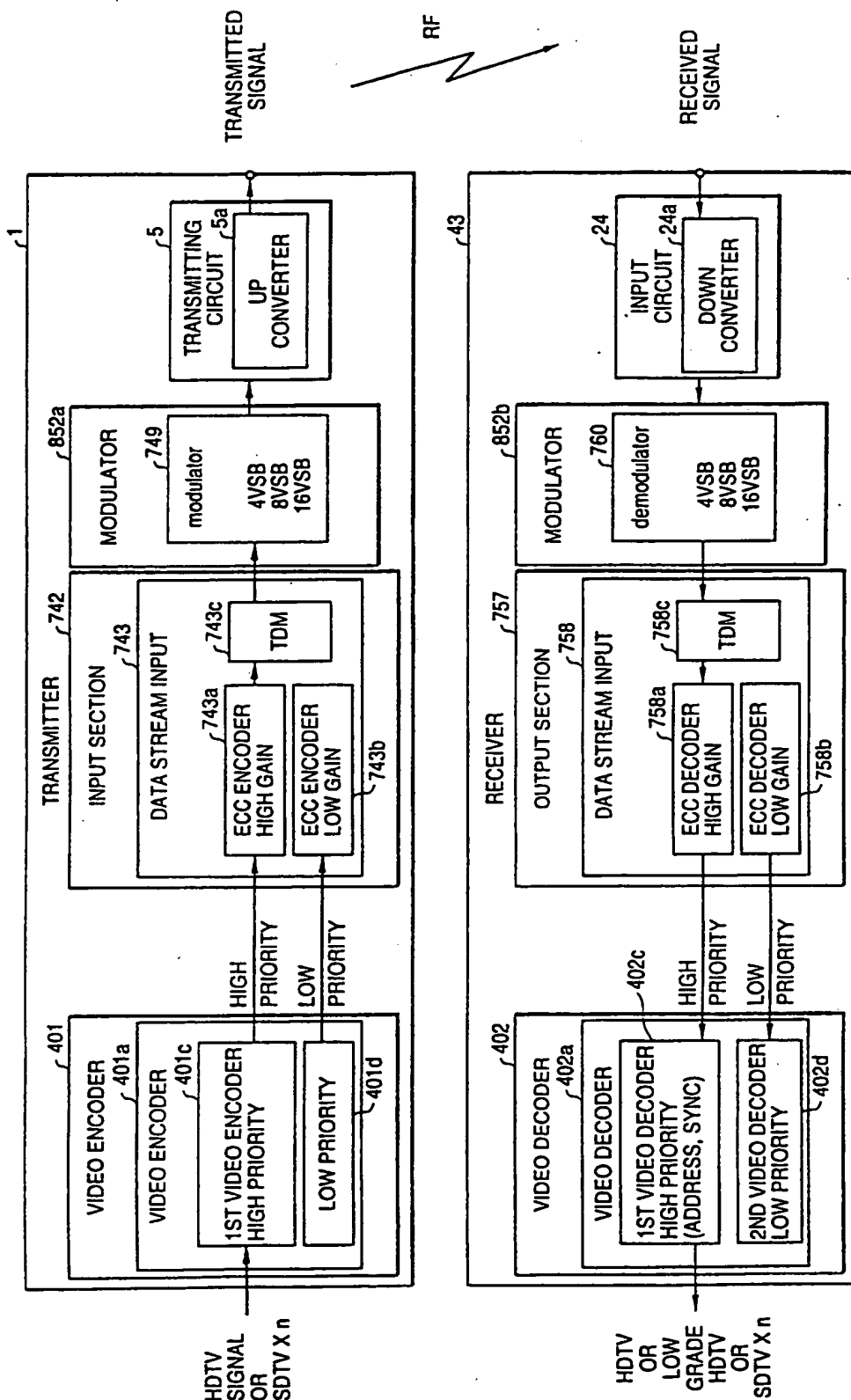


FIG. 171

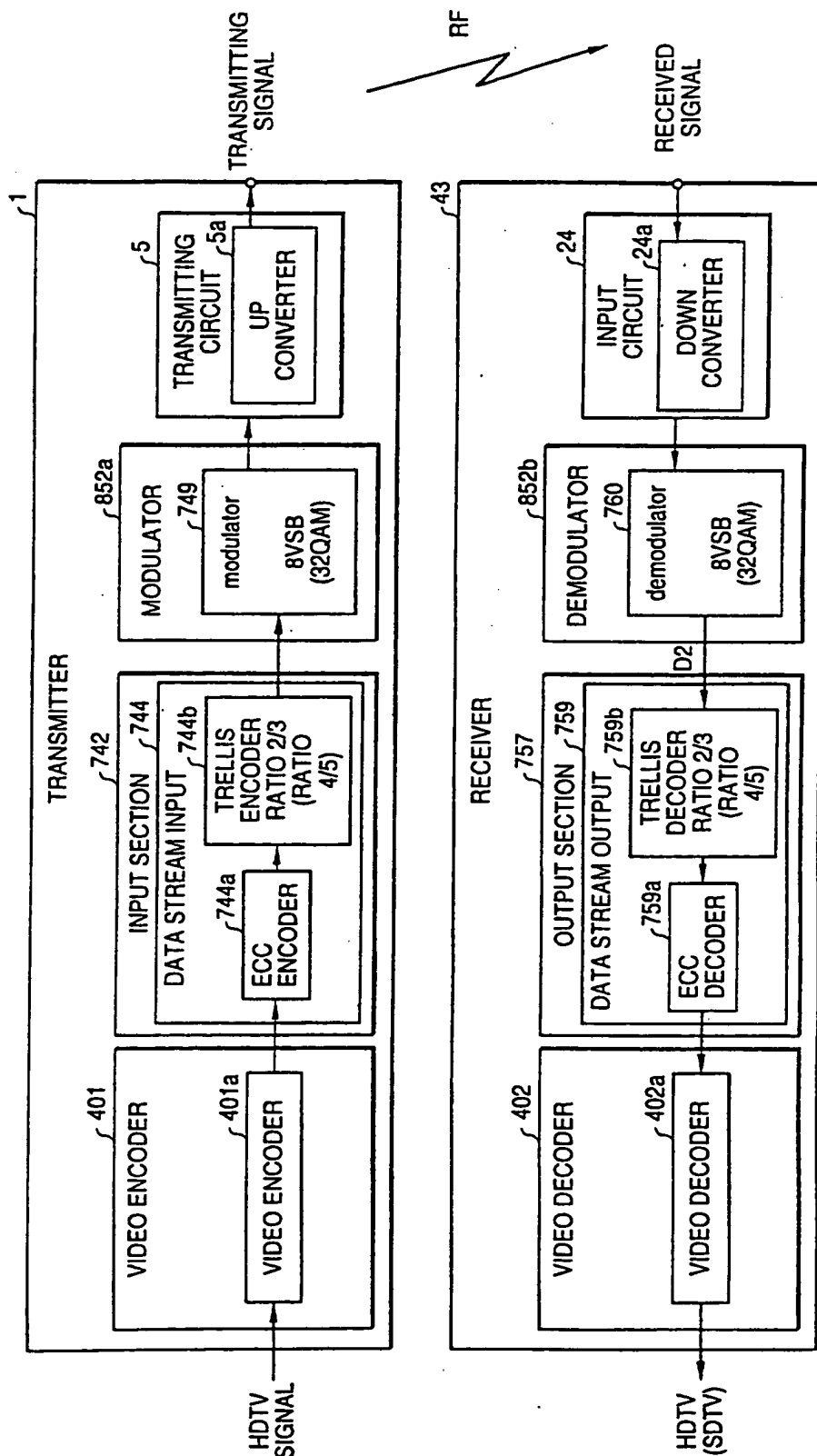


FIG. 172

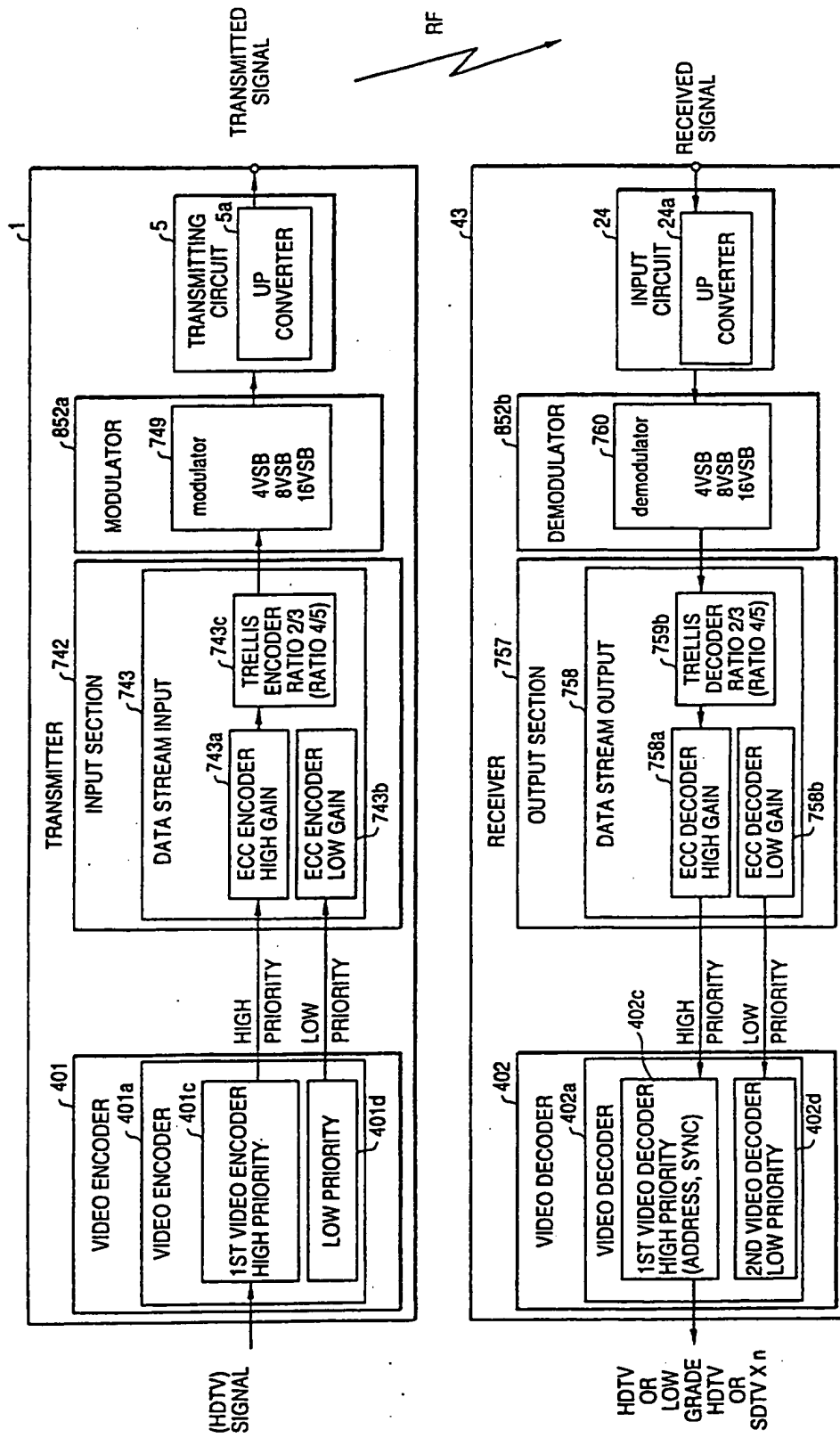


FIG. 173

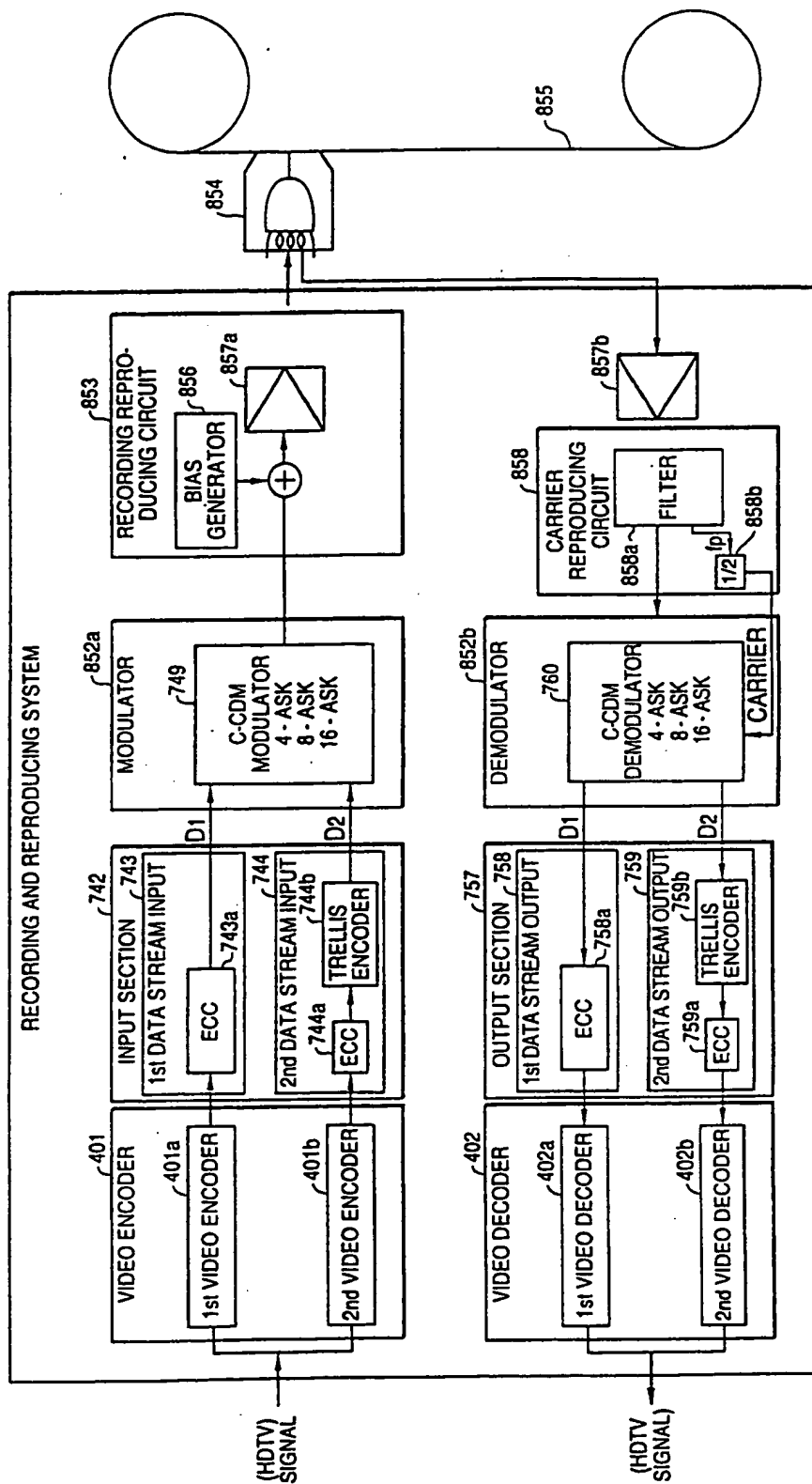


FIG. 174

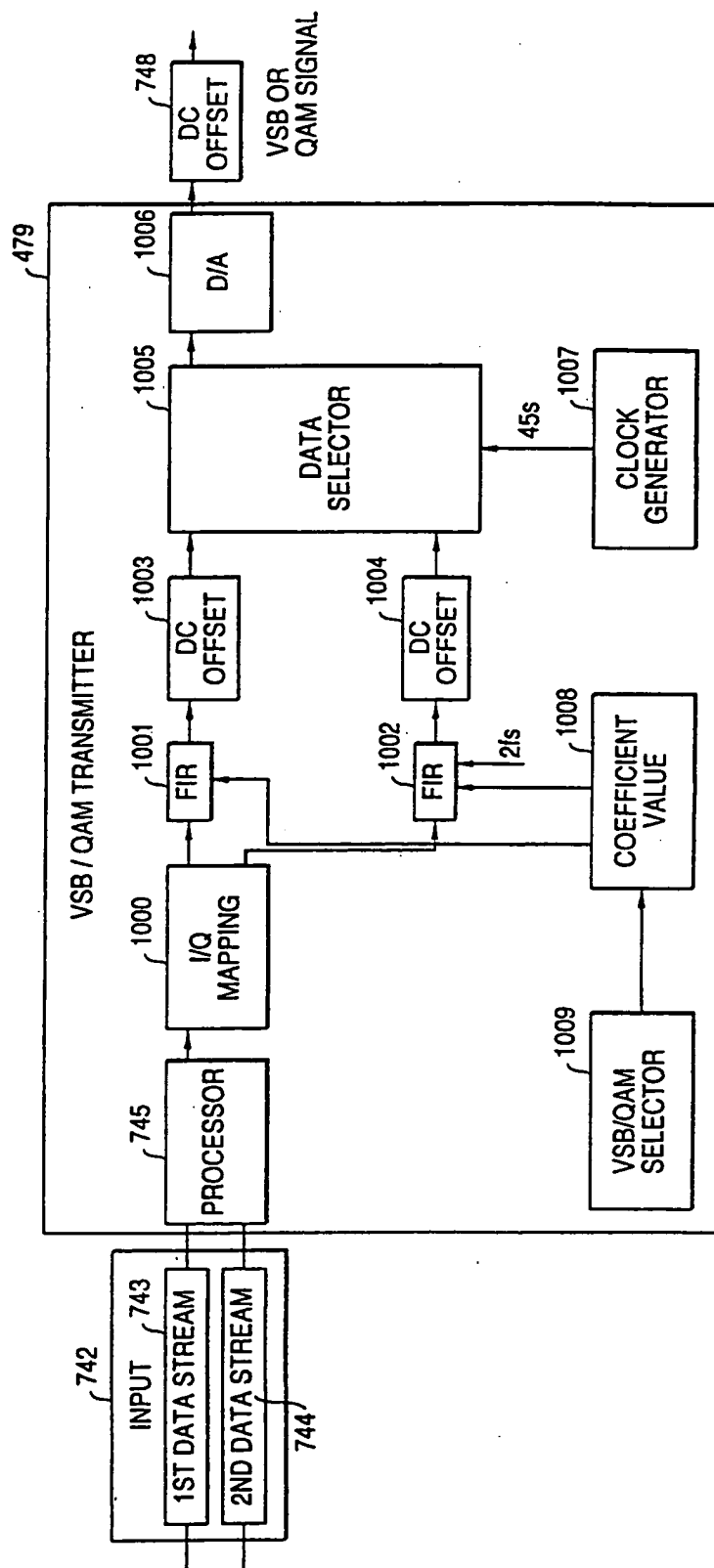


FIG. 175

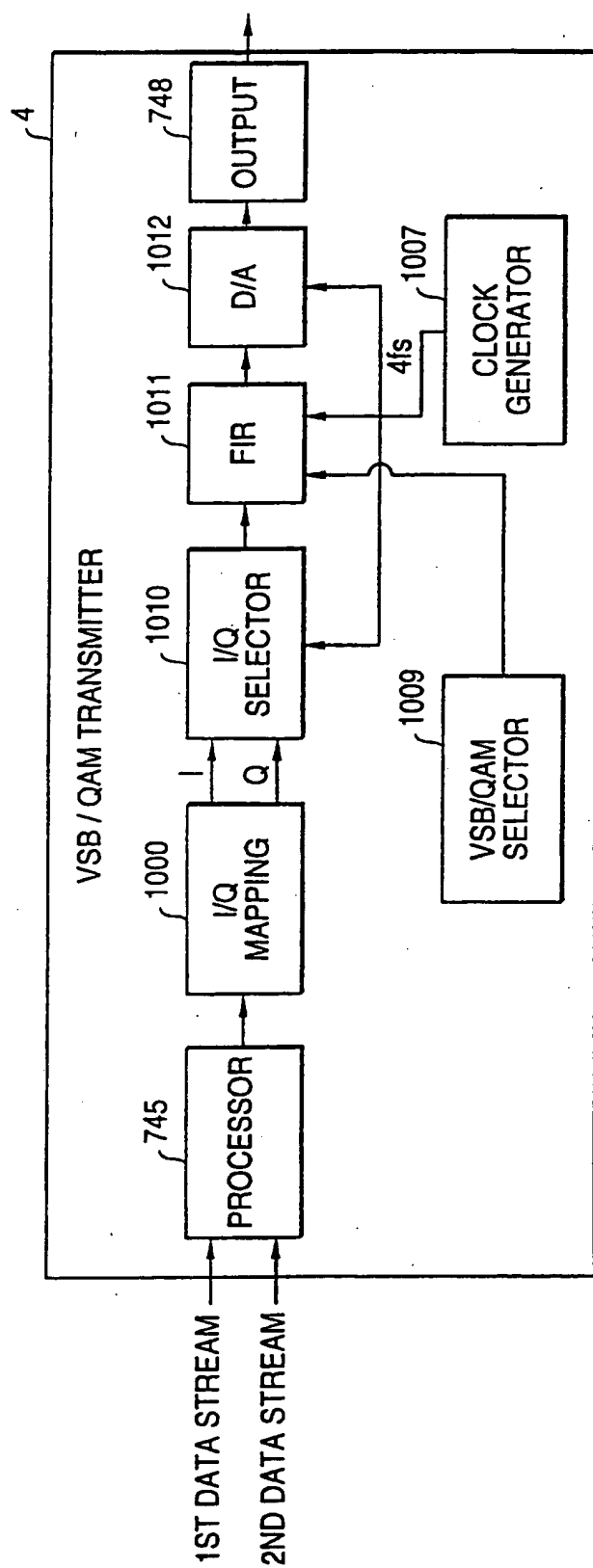


FIG. 176

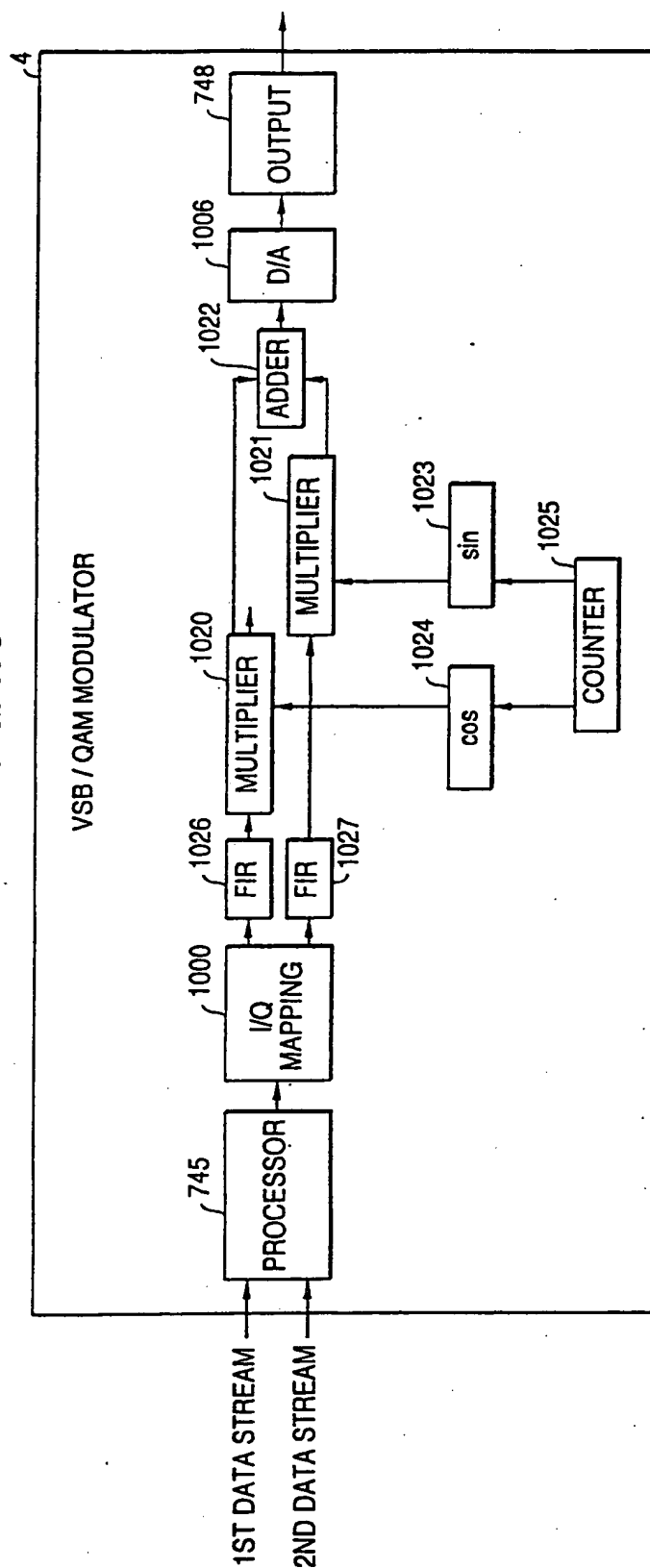


FIG. 177

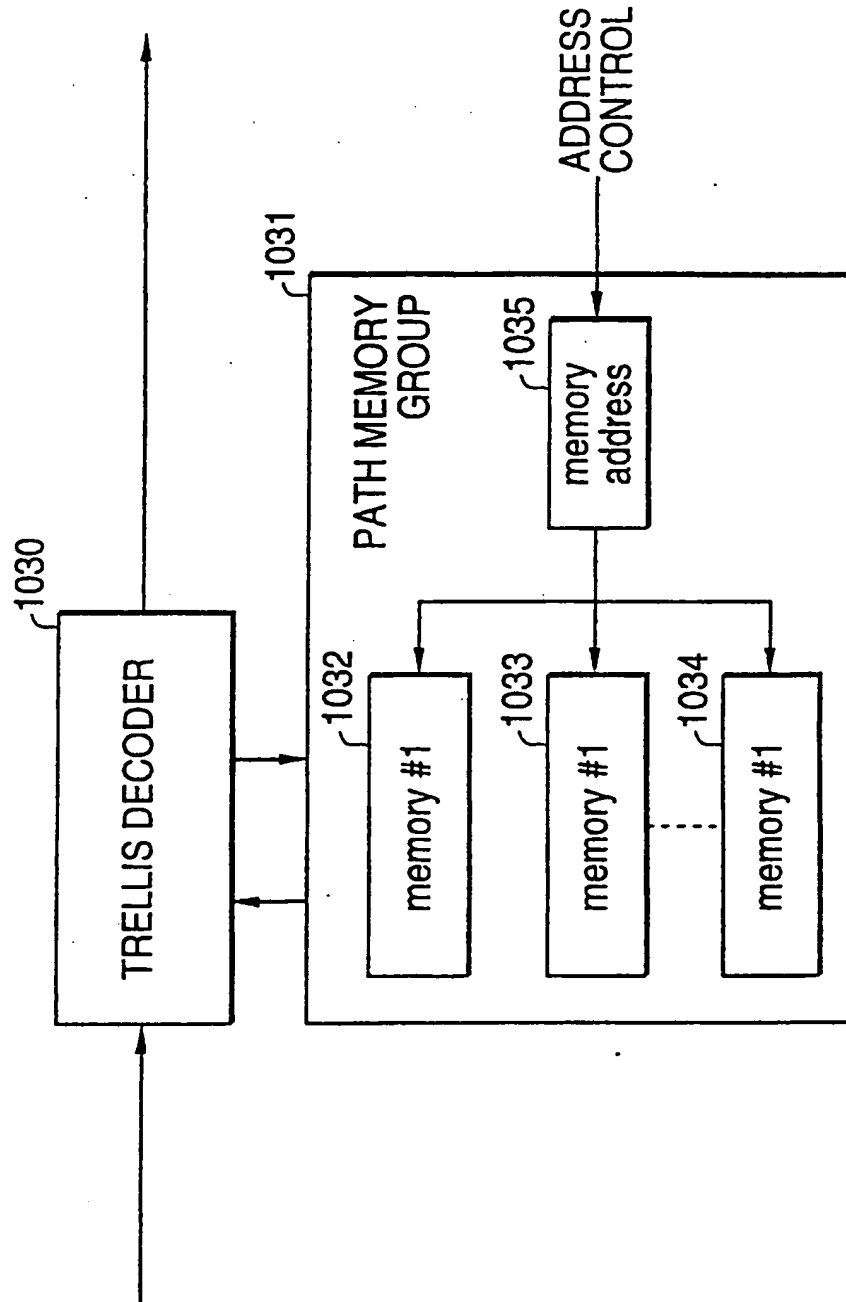


FIG. 178

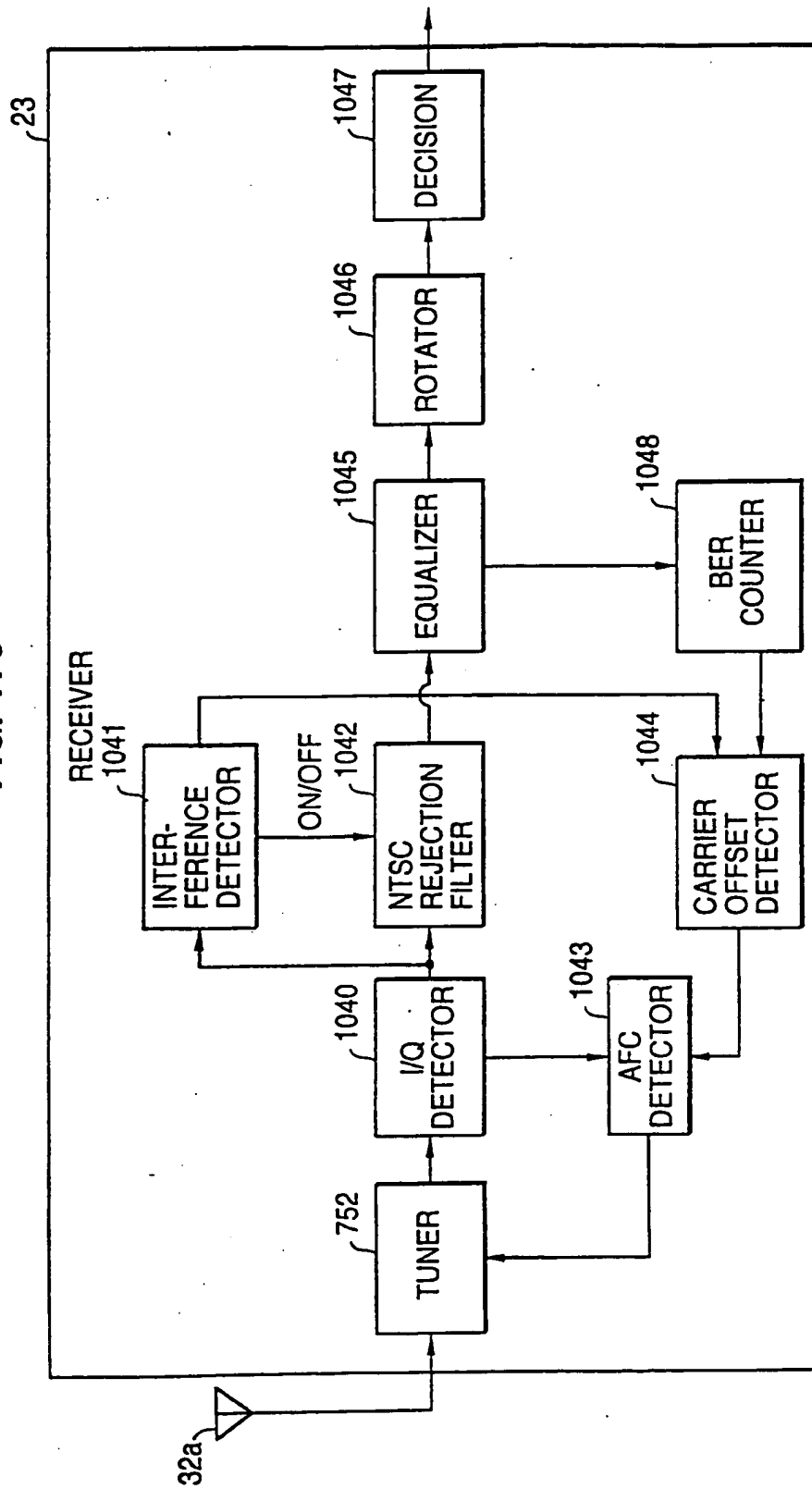


FIG. 179

